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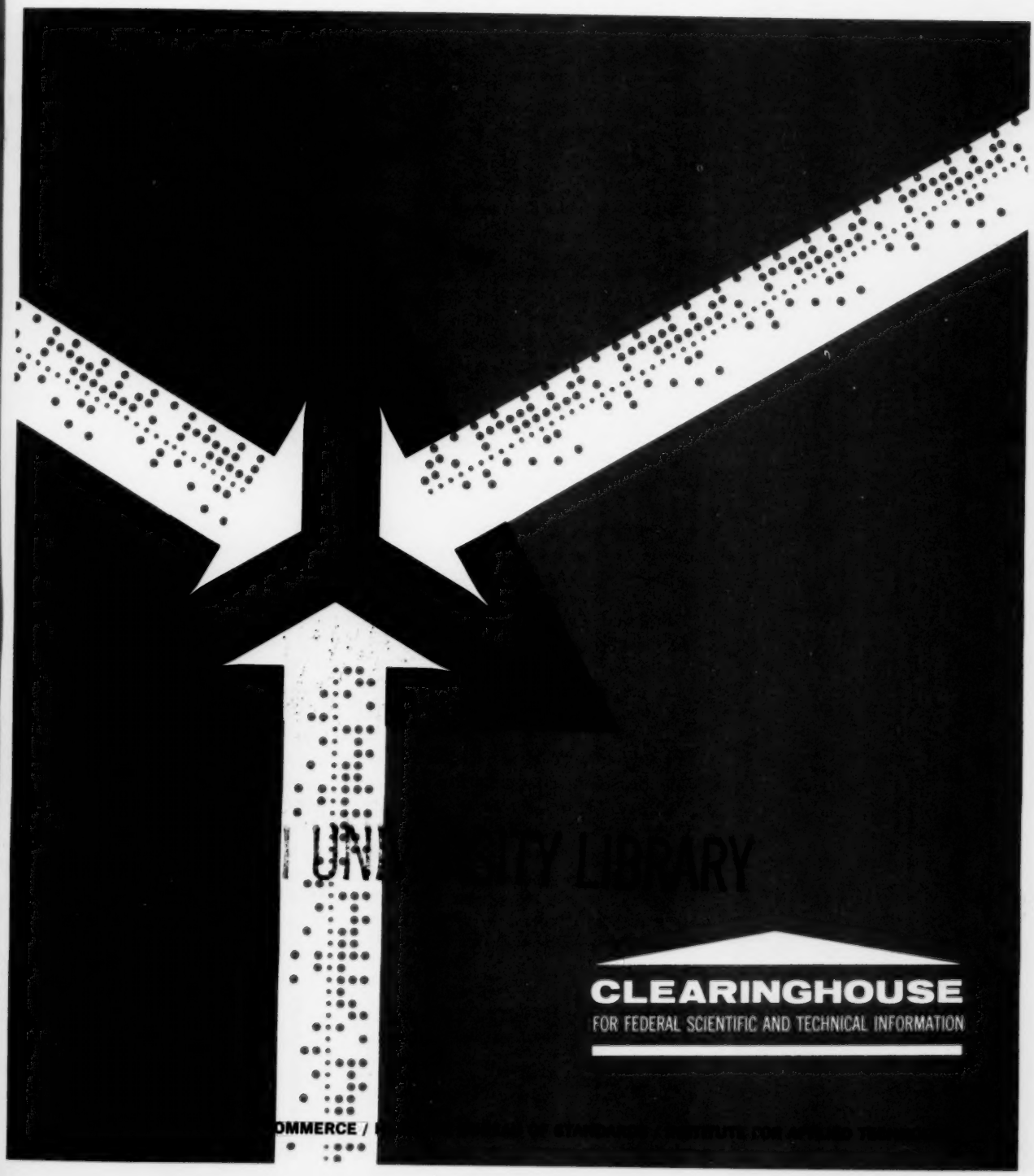
GOVERNMENT-WIDE INDEX

April 10, 1967



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INDEX TO FEDERAL RESEARCH AND DEVELOPMENT REPORTS

UNCLASSIFIED REPORTS ANNOUNCED IN

NUCLEAR SCIENCE ABSTRACTS (NSA)
Atomic Energy Commission

SCIENTIFIC & TECHNICAL AEROSPACE REPORTS (STAR)
National Aeronautics and Space Administration

TECHNICAL ABSTRACT BULLETIN (TAB)
Defense Documentation Center

U.S. GOVERNMENT
RESEARCH & DEVELOPMENT REPORTS (USGRDR)
Clearinghouse for Federal Scientific and Technical Information

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PURPOSE

Government-Wide Index is published to satisfy a need for a single reference guide to new unclassified Government-sponsored research and development in the physical sciences, engineering, and related technology. It also serves as the index to *USGRDR*. It is compiled from records of the current announcement journals of the Atomic Energy Commission, National Aeronautics and Space Administration, Defense Documentation Center, and the Clearinghouse.

FORMAT

The indexing records related to Government research and development reports of the four journals are merged under the five indexes of subject, personal author, corporate author, contract number, accession/report number. Detailed instructions for using each index are presented under "How To Use Indexes" following the foreword.

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U.S. DEPARTMENT OF COMMERCE
Alexander B. Trowbridge, Acting Secretary

CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION
Bernard M. Fry, Director

Use of funds for this publication approved by the Director of the Bureau of the Budget, January 27, 1965

FOREWORD

GOVERNMENT-WIDE INDEX TO FEDERAL RESEARCH & DEVELOPMENT REPORTS is produced by computer from machineable records generated by four Federal agencies which announce R&D reports. Machineable records from the Atomic Energy Commission, the National Aeronautics and Space Administration, the Defense Documentation Center and the Clearinghouse for Federal Scientific and Technical Information are merged to produce GWI. GWI Indexes all of the reports announced in its companion abstract journal, U. S. GOVERNMENT RESEARCH AND DEVELOPMENT REPORTS.

There are some format errors and inconsistencies in this index resulting from the machine merger of the data generated by several agencies. Efforts are being made to correct these inconsistencies. The agencies involved are working with a task group of the Committee on Scientific and Technical Information to develop improved interagency standards which will eliminate these problems.

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The access points to technical reports listed in this index include:

- Subject
- Personal Author
- Corporate Author
- Contract Number
- Accession/Report Number

Each index is arranged alphnumerically (that is, alphabetical data precedes numerical data). A typical entry is as follows:

ACOUSTIC EQUIPMENT(a)
INSTRUMENT FOR ACOUSTIC AND VIBRATION MEASUREMENTS.(b)
AD–627 041(c) 20A(d) T 66 05(e) HC$ 3.00 MF$ 0.65(f)

(a) Index entry.

(b) Title of report.

(c) Accession/report number—that number used by the announcing agency to uniquely identify the report. Use THIS number and title when ordering documents from the Clearinghouse.

(d) Field/group designation.

(e) Code for journal, volume, and issue number in which the report is announced and abstracted.

U—U. S. Government Research & Development Reports, Clearinghouse for Federal Scientific and Technical Information.

T—Technical Abstract Bulletin, Defense Documentation Center of the Department of Defense.

N—Nuclear Science Abstracts, Atomic Energy Commission.

S—Scientific and Technical Aerospace Reports, National Aeronautics and Space Administration.

(f) Clearinghouse prices for hardcopy (HC) and microfiche (MF).

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Entries are arranged by the subject terms assigned by the contributing agency (this means "asterisked" descriptors for USGRDR entries, subject headings for STAR and NSA). The subject term appears at the beginning of each entry. The title of the report is indented below the subject term. For NSA entries, the "modifier" which is assigned by AEC is used in place of the title. The "accession number" line giving field/group, journal, and price information for the report follows the last line of the title. If two or more reports are indexed under the same subject term, they are listed in accession number sequence under the term (separated by a blank line). If two or more reports under a subject term have identical titles, the title is printed once and the different accession number lines are printed below the title.

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  AD-499 798                          10C U 41 09 HC$ 3.00

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● PERSONAL AUTHOR INDEX

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SCIENTIFIC and TECHNICAL AEROSPACE REPORTS (STAR)	Vol. 5, No. 6
NUCLEAR SCIENCE ABSTRACTS (NSA)	Vol. 21, No. 4

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KINETICS OF HYDROGEN-OXYGEN AND HYDROCARBON-OXYGEN REACTIONS.
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ALLOY
DETERMINATION OF THE DIFFUSION COEFFICIENTS IN ALLOYS WITH SEVERAL PHASES.
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ALOUETTE I SATELLITE
ON THE LONG PERIOD PERTURBATIONS IN THE MOTION OF SMALL ECCENTRICITY SATELLITES.
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ALPHA CROSS SECTIONS, METALS
SECTIONS EFFICACES DIFFERENTIELLES ELASTIQUES ET INELASTIQUES OBTENUES PAR DIFFUSION DE PARTICULES ALPHA DE 44 MEV SUR DES CIBLES DE 24MG, 25MG, 26MG, 40CA, 46TI, 48TI, 50TI, 52CR, 54FE, 56FE, 58FE, 58NI, 60NI, 62NI, 64NI, 63CU, 65CU, 64ZN, 112SN, 114SN, 116SN, 118SN, 120SN, 122SN, 124SN ET 208PB AU CYCLOTRON A ENERGIE FIXE DE SACLAY,
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ALPHA PARTICLE REACTIONS, LITHIUM
LEVELS IN 11B FROM 7LI(ALPHA,ALPHA)7LI AND 7LI(ALPHA,ALPHA)7LI*(0.48),
AD-646 789 20H U67 07

ALPHA PARTICLE REACTIONS, NUCLEAR SCATTERING
SECTIONS EFFICACES DIFFERENTIELLES ELASTIQUES ET INELASTIQUES OBTENUES PAR DIFFUSION DE PARTICULES ALPHA DE 44 MEV SUR DES CIBLES DE 24MG, 25MG, 26MG, 40CA, 46TI, 48TI, 50TI, 52CR, 54FE, 56FE, 58FE, 58NI, 60NI, 62NI, 64NI, 63CU, 65CU, 64ZN, 112SN, 114SN, 116SN, 118SN, 120SN, 122SN, 124SN ET 208PB AU CYCLOTRON A ENERGIE FIXE DE SACLAY,
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ALUMINUM ALLOY
STORAGE TESTS OF NITROGEN TETROXIDE AND HYDRAZINE IN ALUMINUM CONTAINERS.
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ALUMINUM, ANNEALING
A DEVICE FOR INDUCTION ANNEALING OF AN ALUMINUM WIRE OR FILAMENT DURING DRAWING OR TWISTING,
AD-646 379 13H U67 07 HC$ 3.00 MF$ 0.65

ALUMINUM, CHEMISORPTION
WORK FUNCTION CHANGES DUE TO THE CHEMISORPTION OF WATER AND OXYGEN ON ALUMINUM,
AD-646 492 7D U67 07

ALUMINUM, LASERS
EFFECTS OF POWER DENSITY ON CHARACTERISTICS OF LASER BEAM INTERACTION WITH SOLID MATERIALS.
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AMINES, CENTRAL NERVOUS SYSTEM
LOCALIZATION OF MONOAMINERGIC NEURONS IN THE CENTRAL NERVOUS SYSTEM OF ASTACUS ASTACUS LINNE (CRUSTACEA),
AD-646 414 6P U67 07

AMINES, SUBSTITUTION REACTIONS
ELECTROPHILIC SUBSTITUTION AT SATURATED CARBON, XXVII. CARBANIONS AS INTERMEDIATES IN THE BASE-CATALYZED METHYLENE-ASOMETHINE REARRANGEMENT,
AD-646 805 7C U67 07

AMINO ACIDS, METABOLISM
AMINO ACID UTILIZATION BY ISOLATED ADIPOSE TISSUE OF MEAL-FED RATS,
AD-646 685 6P U67 07

AMMONIA, INFRARED PHENOMENA
RESEARCH DIRECTED TOWARD THE STUDY OF INFRARED TRANSMISSION THROUGH VARIOUS ATMOSPHERES.
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AMMONIUM COMPOUNDS, HYPERFINE STRUCTURE
A MOSSBAUER EFFECT STUDY OF ELECTRONIC RELAXATION IN THE PARAMAGNETIC COMPOUND NH4(FE,AL)(SO4)2 . 12 H2O.
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RESEARCH ON THE DEFLAGRATION OF HIGH-ENERGY SOLID OXIDIZERS.
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PHASE I REPORT ON DEVELOPMENT OF A LOW-NOISE 8 MM RECEIVER FRONT END.
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NOTE ON A CLASS OF AMPLITUDE MODULATION DETECTORS.
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ALL UNION CONFERENCE-SEMINAR ON THE THEORY AND METHODS OF USING MATHEMATICAL MODELS. TRANSACTIONS.
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BIPOLAR ANALOG TO PULSE WIDTH CONVERTER.
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AN IMPROVED ANEMOMETER FOR LOW-LEVEL WINDS. PHASES II AND III--DEVELOPMENT OF A SONIC ANEMOMETER MODEL.
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ANEMOMETERS, DESIGN
AN IMPROVED ANEMOMETER FOR LOW-LEVEL WINDS. PHASE I. DESIGN PLAN.
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PENTOBARBITAL ANAESTHESIA IN THE HERRING AND LESSER BLACK-BACKED GULL.
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ELECTRICAL ANESTHESIA TECHNIQUES.
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NUMERICAL SOLUTION OF THE PROBLEM OF SUPERSONIC FLOW AT AN ANGLE OF ATTACK PAST CONICAL BODIES.
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SOME GEOMAGNETIC AND IONOSPHERIC EFFECTS IN ANTARCTICA PRIOR TO STORM SUDDEN COMMENCEMENTS.
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A THEORETICAL STUDY OF A MULTI-ELEMENT SCANNING FEED SYSTEM FOR A PARABOLIC CYLINDER.
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ANTENNAS, ELECTROMAGNETIC COMPATIBILITY
INTERACTIONS BETWEEN NESTED RHOMBIC ANTENNAS.
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ANTIBIOTIC PROPHYLAXIS OF CARRIERS OF SULFADIAZINE-RESISTANT MENINGOCOCCI.
AD-646 825 6D U67 07

ANTIFERROMAGNETISM, NUCLEAR MAGNETIC RESONANCE
PROTON AND CHLORINE NUCLEAR MAGNETIC RESONANCE IN ANTIFERROMAGNETIC MNCL2.4H2O.
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APOLLO SPACECRAFT
APOLLO SPACECRAFT CONTROL SYSTEMS.
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N67-16605 21H S05 06 HC$ 3.00 MF$ 0.65

APPROXIMATION(MATHEMATICS), INTEGRAL EQUATIONS
UPPER AND LOWER BOUNDS FOR SOLUTIONS TO THE TRANSPORT EQUATION.
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ON THE EQUIVALENCE OF LINEARIZED KALMAN FILTERS.
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HUMAN FACTORS ENGINEERING DESIGN STANDARD FOR WHEELED VEHICLES.
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AUTOMATION OF A PORTION OF NCO LEADERSHIP PREPARATION TRAINING.
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AUTOMATION OF A PORTION OF NCO LEADERSHIP PREPARATION TRAINING.
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AROMATIC OXIDATION BY ELECTRON TRANSFER. III. OXIDATION OF 1-AND 2-METHOXY-NAPHTHALENE BY MANGANIC ACETATE.
AD-646 362 7C U67 07

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EXPOSURE PREDICTIONS FOR GEODETIC SATELLITE PHOTOGRAPHY BY STELLAR PHOTOMETRY.
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OPTICAL INSTABILITY OF THE EARTH S ATMOSPHERE.
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THE ASYMPTOTIC PROPERTIES OF A BIVARIATE LAPLACE TRANSFORM.
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RANGER VI MISSION DESCRIPTION AND PERFORMANCE.
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LTE MODEL ATMOSPHERES WITH LINE BLANKETING. REVIEW AND FUTURE PROSPECTS.
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SOME PROPERTIES OF ATTENUATION IN THE ATMOSPHERE.
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STUDIES OF THE CHEMISTRY OF UNPOLLUTED ATMOSPHERES.
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ABSORPTION OF SOUND IN AIR VERSUS HUMIDITY AND TEMPERATURE.
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CONVECTIVE AND RADIATIVE HEAT TRANSFER TO AN ABLATING BODY, PART I FINAL REPORT.
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A TABULAR PRESENTATION OF THE SURFACE BOUNDARY LAYER MODELS

OF WEBB, BUSINGER, AND PANOFSKY.
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OROGRAPHIC EFFECTS ON PRECIPITATION PROCESSES.
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CLOUD DROPLET MICROWAVE DISPERSION EFFECTS ON LINE INTEGRAL
REFRACTOMETER MEASUREMENTS.
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ATMOSPHERIC DENSITY DETERMINATION FROM LOW HEIGHT
SATELLITES.
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DIRECTIONAL CHARACTERISTICS OF IONOSONDE INTERFERENCE
PATTERNS FROM THE FILCHNER ICE SHELF.
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ATMOSPHERIC TEMPERATURE
MEASURED TEMPERATURE STRUCTURE IN NOCTILUCENT CLOUDS.
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VARIABILITY OF SOUND PROPAGATION PREDICTION DUE TO
ATMOSPHERIC VARIABILITY FINAL REPORT.
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ATMOSPHERIC TURBULENCE
OPTICAL INSTABILITY OF THE EARTH S ATMOSPHERE.
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PROGRESS IN SCIENTIFIC RADIO - FIFTEENTH GENERAL ASSEMBLY OF
THE INTERNATIONAL SCIENTIFIC RADIO UNION.
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ENERGY LEVELS AND ISOTOPE SHIFTS OF TERMS FOR EXCITED STATES
OF ATOMIC SPECIES OF HELIUM TYPE.
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ATOMIC ENERGY LEVELS, HYPERFINE STRUCTURE
EFFECT OF THE MOTION OF THE NUCLEUS ON THE FINE AND
HYPERFINE STRUCTURE OF TERMS.
AD-645 619 7D U67 07 HC$ 3.00 MF$ 0.65

ATOMIC ENERGY LEVELS, LINE SPECTRUM
FINE STRUCTURE OF TERMS IN ATOMIC SPECIES OF CARBON AND
NITROGEN TYPE IN THE CONFIGURATIONS 1S(2)2S2P(3) AND
1S(2)2S(2)2P(3).
AD-645 637 7D U67 07 HC$ 3.00 MF$ 0.65

ATOMIC ENERGY LEVELS, RELAXATION TIME
A MOSSBAUER EFFECT STUDY OF ELECTRONIC RELAXATION IN THE
PARAMAGNETIC COMPOUND NH4(FE,AL)(SO4)2 . 12 H2O.
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ATOMIC ORBITALS, EXCITATION
IONISATION D UN ATOME DE CESIUM PAR UN PROCESSUS
D ABSORPTION A DEUX PHOTONS ISSUS D UN FAISCEAU LASER
(IONISATION OF A CESIUM ATOM BY AN ABSORPTION PROCESS
INVOLVING TWO PHOTONS FROM A LASER BEAM).
PB-174 043 20H U67 07 HC$ 3.00 MF$ 0.65

ATOMIC ORBITALS, HELIUM
QUANTUM MECHANICAL CALCULATION OF THE HELIUM MOLECULE.
AD-645 675 7D U67 07 HC$ 3.00 MF$ 0.65

ATOMIC SPECTROSCOPY, MICROWAVE FREQUENCY
RESEARCH INVESTIGATION DIRECTED TOWARD EXTENDING THE USEFUL
RANGE OF THE ELECTROMAGNETIC SPECTRUM.
AD-645 899 9C U67 07 HC$ 3.00 MF$ 0.65

ATTENUATION, ATMOSPHERE
SOME PROPERTIES OF ATTENUATION IN THE ATMOSPHERE.
AD-645 679 4A U67 07 HC$ 3.00 MF$ 0.65

ATTENUATION, SOUND
ATTENUATION OF SOUND BY SPHERICAL SHELLS.
AD-645 911 20A U67 07 HC$ 3.00 MF$ 0.65

ATTENUATION, ULTRAHIGH FREQUENCY
SOME ASPECTS OF THE DEEP AND/OR RAPID FADING PHENOMENA IN
STRICTLY LINE-OF SIGHT UHF/SHF PROPAGATION.
PB-174 054 20N U67 07 HC$ 3.00 MF$ 0.65

ATTENUATORS, WAVEGUIDES
WAVEGUIDE ATTENUATORS 2.60 TO 40.0 GHZ 0 TO 50 DB.
PB-174 085 9A U67 07 HC$ 3.00 MF$ 0.65

ATTITUDE CONTROL
DESIGN, DEVELOPMENT, FABRICATION, TEST AND DELIVERY OF
ELECTROTHERMAL ENGINE SYSTEMS SEMIANNUAL REPORT, DEC. 1965 -
JUN. 1966.
N67-15677 21H S05 06 HC$ 3.00 MF$ 0.65

S- BAND LABORATORY TEST EQUIPMENT FINAL REPORT.
N67-15678 21H S05 06 HC$ 3.00 MF$ 0.65

APOLLO SPACECRAFT CONTROL SYSTEMS.
N67-15586 22B S05 06 HC$ 3.00 MF$ 0.65

ATTITUDES, PERFORMANCE(HUMAN)
GOALS AND INTENTIONS AS DETERMINANTS OF PERFORMANCE LEVEL,
TASK CHOICE AND ATTITUDES.
AD-645 392 5J U67 07 HC$ 3.00 MF$ 0.65

ATTITUDES, PSYCHOMETRICS
ITEM RESPONSE CHARACTERISTICS IN ATTITUDE AND PERSONALITY
MEASUREMENT A REACTION TO L. S. ROPER S THE GREAT
RESPONSE-STYLE MYTH .
AD-646 772 5J U67 07 HC$ 3.00 MF$ 0.65

AUDITORY PERCEPTION
CHANGES IN THE PERIPHERAL DIVISION OF THE AUDITORY ANALYZER
IN ACUTE RADIATION SICKNESS.
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AUDITORY SIGNALS, CONTROL SYSTEMS
A TEN-EVENT TONE-CONTROL SYSTEM FOR THE PROGRAMMING OF
EXPERIMENTS.
AD-646 638 6L U67 07 HC$ 3.00 MF$ 0.65

AURORAE, NIGHT SKY
FRITZ PEAK OBSERVATIONS OF STABLE AURORAL RED ARCS SUMMARY
1955-1965.
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TEMPORAL VARIATIONS OF MESOSPHERIC OXYGEN AND OZONE DURING
AURORAL EVENTS.
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AUTOMATA, SHIFT REGISTERS
ON SHIFT-REGISTER REALIZATIONS OF SEQUENTIAL MACHINES.
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AUTOMATIC DATA PROCESSING SYSTEM
STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT
DEFINITION VOLUME I - SUMMARY FINAL REPORT, 10 AUG. 1964 -
10 AUG. 1965.
N67-16575 22A S05 06 HC$ 3.00 MF$ 0.65

AUTOMATIC PICTURE TRANSMISSION (APT)
INSTRUCTION MANUAL FOR WRIR MODIFICATIONS TO THE APTS GROUND
STATIONS USING MUIRHEAD FACSIMILE RECORDERS.
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INSTRUCTION MANUAL FOR THE WRIR MODIFICATIONS TO THE APTS
GROUND STATIONS USING FAIRCHILD FACSIMILE RECORDERS.
N67-15524 9F S05 06 HC$ 3.00 MF$ 0.65

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THE BASES OF AUTOMATION AND TECHNICAL CYBERNETICS.
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FINAL SNAPSHOT PERFORMANCE REPORT.
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AUXILIARY POWER SOURCE
THERMODYNAMIC AND TURBINE CHARACTERISTICS OF HYDROGEN-FUELED
OPEN-CYCLE AUXILIARY SPACE POWER SYSTEMS.
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AVALANCHE DIODES, MICROWAVE EQUIPMENT
FOREIGN SCIENCE BULLETIN VOL. 3, NO. 1, 1967.
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AVIATION MEDICINE, DECOMPRESSION SICKNESS
THE RELATIONSHIP OF SCUBA DIVING TO THE DEVELOPMENT OF
AVIATORS DECOMPRESSION SICKNESS.
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AVIATION PERSONNEL, SELECTION
MISCELLANEOUS TESTS AND MINOR EVALUATIONS.
AD-58 299 5I U67 07 HC$ 3.00

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PLASTIC BUCKLING OF AXIALLY COMPRESSED ECCENTRICALLY
STIFFENED CYLINDERS.
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AXIAL FLOW TURBINE
A STUDY OF THE RADIAL-AXIAL-FLOW TURBINE WITH LOW BLADE
HEIGHTS AND LARGE CLEARANCES.
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A COMPUTER PROGRAM FOR CALCULATING VELOCITIES AND
STREAMLINES FOR TWO-DIMENSIONAL, INCOMPRESSIBLE FLOW IN
AXIAL BLADE ROWS.
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TURBINE RESEARCH PACKAGE FOR RESEARCH AND DEVELOPMENT OF
HIGH PERFORMANCE AXIAL FLOW TURBINE-COMPRESSOR FINAL REPORT.
N67-16565 15A S05 06 HC$ 3.00 MF$ 0.65

AXISYMMETRIC BODY
CORRELATION OF FREE-FLIGHT TURBULENT HEAT-TRANSFER DATA FROM
AXISYMMETRIC BODIES WITH COMPRESSIBLE FLAT-PLATE
RELATIONSHIPS.
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EFFECT OF REYNOLDS NUMBER ON SLOSH DAMPING BY FLAT RING
BAFFLES.
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STUDIES OF LOW AND HIGH TEMPERATURE CAGE MATERIALS.
N67-16042 13H S05 06 HC$ 3.00 MF$ 0.65

BALLISTIC RANGE
A SURVEY OF THERMAL RADIATION STUDIES OF ABLATING BODIES IN
THE BALLISTIC RANGE.
N67-16686 20M S05 06 HC$ 3.00 MF$ 0.65

BALLOON SOUNDING
DIGITIZED SPARK CHAMBER FOR SPACE SCIENCE EXPERIMENTS.

N67-16546 14B S05 06 HC$ 3.00 MF$ 0.65

BALLOONS, CONFIGURATION
BALLOON SHAPES AND STRESSES BELOW THE DESIGN ALTITUDE.
PB-174 099 1C U67 07 HC$ 3.00 MF$ 0.65

BAND THEORY OF SOLIDS, FERROMAGNETIC MATERIALS
ANOMALY IS SPIN-WAVE SPECTRUM OF MAGNETIC METALS.
AD-646 408 20C U67 07

BAND THEORY OF SOLIDS, INDIUM ANTIMONIDES
POLARON INDUCED ANOMALIES IN INSB.
AD-646 484 20L U67 07

BAND THEORY OF SOLIDS, IRON
QUARTERLY PROGRESS REPORT NO. 63 OF SOLID-STATE AND MOLECULAR THEORY GROUP.
AD-646 582 20J U67 07 HC$ 3.00 MF$ 0.65

BAND THEORY OF SOLIDS, SEMICONDUCTORS
MAGNETO-PIEZO-OPTICAL EXPERIMENTS IN SEMICONDUCTORS.
AD-646 479 20L U67 07

BARIUM COMPOUND
RAPID TECHNIQUE FOR LIQUID SCINTILLATION COUNTING OF CARBON-14-LABELLED BARIUM CARBONATE.
N67-15616 7D S05 06 HC$ 3.00 MF$ 0.65

BARIUM COMPOUNDS, FLUORIDES
HIGH PRESSURE AND DIELECTRIC INVESTIGATIONS OF THE ALKALINE EARTH FLUORIDES.
AD-646 654 20L U67 07 HC$ 3.00 MF$ 0.65

BARIUM COMPOUNDS, TITANATES
ELECTRO-OPTIC DEFLECTION WITH BATIO3 PRISMS.
AD-646 837 20F U67 07

BARIUM TITANATE
CHARACTERIZATION OF CERAMIC MATERIALS FOR MICROELECTRONIC APPLICATIONS SUMMARY REPORT NO. 1, 23 NOV. 1965 - 23 NOV. 1966.
N67-15566 20L S05 06 HC$ 3.00 MF$ 0.65

BARRIER COATINGS, INSECT REPELLENTS
PROTECTION OF TELEPHONE CABLES FROM ATTACK BY INSECTS.
AD-646 543 17B U67 07 HC$ 3.00 MF$ 0.65

BARYONS, NUCLEAR SCATTERING
RESONANCE POLES IN A SIMPLE MODEL OF S WAVE PSEUDOSCALAR MESON BARYON SCATTERING.
AD-646 614 20J U67 07 HC$ 3.00 MF$ 0.65

BATHYTHERMOGRAPH DATA, ATLANTIC OCEAN
TRACK CHARTS BATHYMETRY, AND LOCATION OF OBSERVATIONS, ATLANTIS II CRUISE NO. 22, NORTH ATLANTIC OCEAN, JUNE 10, 1966-AUGUST 3, 1966.
AD-646 908 8J U67 07 HC$ 3.00 MF$ 0.65

BATTERIES + COMPONENTS, SPACEBORNE
THE DIFFERENCE FREQUENCY COULOMETER.
AD-646 903 22D U67 07 HC$ 3.00 MF$ 0.65

BATTERY
ELECTROCHEMICAL CHARACTERIZATION OF SYSTEMS FOR SECONDARY BATTERY APPLICATION SECOND QUARTERLY REPORT, AUG. - OCT. 1966.
N67-15831 7D S05 06 HC$ 3.00 MF$ 0.65

BEAMS(ELECTROMAGNETIC), BEAMS(STRUCTURAL)
STATIC AND DYNAMIC LOAD-DEFLECTION TESTS OF STEEL STRUCTURES.
AD-59 193 20K U67 07 HC$ 3.00

BEAMS(STRUCTURAL), BEAMS(ELECTROMAGNETIC)
STATIC AND DYNAMIC LOAD-DEFLECTION TESTS OF STEEL STRUCTURES.
AD-59 193 20K U67 07 HC$ 3.00

BEAMS(STRUCTURAL), BRIDGES
THE EXPLORATION OF FACTORS DETERMINING THE FATIGUE STRENGTH OF COMPOSITE BEAMS WITH A REDUCED NUMBER OF SHEAR CONNECTORS IN HIGHWAY BRIDGES.
PB-174 006 13H U67 07 HC$ 3.00 MF$ 0.65

BEAMS(STRUCTURAL), LOADING(MECHANICS)
THE BEHAVIOR OF THIN-WEB PLATE GIRDERS UNDER REPEATED LOADING.
PB-174 019 13H U67 07 HC$ 3.00 MF$ 0.65

BEAMS(STRUCTURAL), VIBRATION
SOLUTION OF THE EQUATION OF MOTION FOR FORCED TRANSVERSE VIBRATION OF A SLENDER BEAM WITH VISCOUS DAMPING.
AD-646 633 16D U67 07 HC$ 3.00 MF$ 0.65

BEARING
THE EFFECT OF THE SPACE ENVIRONMENT ON LUBRICANTS AND ROLLING ELEMENT BEARINGS.
N67-16048 13I S05 06 HC$ 3.00 MF$ 0.65

EVALUATION OF HIGH-TEMPERATURE BEARING CAGE MATERIALS.
N67-16693 13I S05 06 HC$ 3.00 MF$ 0.65

BEARINGS, MACHINE TOOLS
ABSTRACT OF BEARING DEVELOPMENTS AND DATA ON SPINDLES.
RFP-734 13I N21 04 HC$ 3.00 MF$ 0.65

BEHAVIOR, MOTIVATION
GOALS AND INTENTIONS AS DETERMINANTS OF PERFORMANCE LEVEL, TASK CHOICE AND ATTITUDES.
AD-646 392 5J U67 07 HC$ 3.00 MF$ 0.65

BELLOWS
RESEARCH AND DEVELOPMENT OF CELLS WITH BELLOWS CONTROLLED ELECTROLYTE LEVELS FINAL PROGRESS REPORT, MAY 11, 1965 - APR. 1, 1966.
N67-16697 19C S05 06 HC$ 3.00 MF$ 0.65

BENDING
ON THE DUALITY BETWEEN THE PROBLEMS OF STRETCHING AND OF BENDING OF PLATES, 16 MARCH - 15 SEPTEMBER 1966.
N67-15671 20K S05 06 HC$ 3.00 MF$ 0.65

BENDING MOMENT
HYPERSONIC PROFILE OF MINIMUM DRAG, HAVING AN ASSIGNED BENDING STRENGTH.
N67-15699 1A S05 06 HC$ 3.00 MF$ 0.65

BENZOATES, CHEMILUMINESCENCE
CHEMILUMINESCENT MATERIALS.
AD-646 641 7E U67 07 HC$ 3.00 MF$ 0.65

BERYLLIUM, FORGING
CORROSION RESEARCH STUDIES ON FORGED BERYLLIUM.
AD-646 508 11F U67 07 HC$ 3.00 MF$ 0.65

BERYLLIUM, NEUTRON REACTIONS
INTERACTIONS A DEUX CORPS DANS LA REACTION 9BE (N, ALPHA ALPHA NN) A 14 MEV. II - MESURE DES SECTIONS EFFICACES (TWO BODY INTERACTION IN THE REACTION 9BE(N, ALPHA ALPHA NN) AT 14 MEV, II. CROSS-SECTION MEASUREMENTS).
PB-174 833 20H U67 07 HC$ 3.00 MF$ 0.65

BERYLLIUM, PROTON REACTIONS
EXCITATION OF SINGLE-PARTICLE STATES IN 8BE BY THE 9BE(P,D)8BE REACTION.
AD-646 786 20H U67 07

BETA DECAY, SELECTION RULES
GAMOW-TELLER BETA DECAY IN HEAVY SPHERICAL NUCLEI AND UNLIKE PARTICLE-HOLE RANDOM PHASE APPROXIMATION.
AD-646 749 18H U67 07 HC$ 3.00 MF$ 0.65

BETA PARTICLES, EXCITATION
A STUDY OF FLUORESCENT EXCITATION USING ISOTOPIC X-RAY EMISSION.
ORO-3224-6 18D N21 04 HC$ 3.00 MF$ 0.65

BIBLIOGRAPHIES, RESEARCH PROGRAM ADMINISTRATION
PLANNING - A BIBLIOGRAPHY.
AD-431 331 9A U67 07 HC$ 3.00

BIBLIOGRAPHY
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N67-15846 22A S05 06 HC$ 3.00 MF$ 0.65

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N67-16056 22A S05 06 HC$ 3.00 MF$ 0.65

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N67-16540 18F S05 06 HC$ 3.00 MF$ 0.65

AEROSPACE MEDICINE AND BIOLOGY - A CONTINUING BIBLIOGRAPHY WITH INDEXES, NOVEMBER 1966.
N67-16554 6S S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME V - EXOBIOLOGY BIBLIOGRAPHY FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-16579 22A S05 06 HC$ 3.00 MF$ 0.65

BILE, DIET
INDUCTION AND REGRESSION OF BIOCHEMICAL AND MORPHOLOGIC CHANGES INDUCED BY DIETARY LITHOCHOLIC ACID IN CHICKENS.
AD-646 688 6P U67 07

BINARY ARITHMETIC, DIGITAL COMPUTERS
A HIGH-SPEED SERIAL ADDER OF THE INTERMEDIATE TYPE.
AD-646 506 9R U67 07 HC$ 3.00 MF$ 0.65

BINOMIALS, CONFIDENCE LIMITS
TABLES OF CONFIDENCE INTERVALS FOR BINOMIAL DISTRIBUTION OF SAMPLE SIZE 2 TO 25 INCLUSIVE, AT VARIOUS LEVELS OF CONFIDENCE.
AD-646 815 12A U67 07 HC$ 3.00 MF$ 0.65

BIOASTRONAUTICS
INVESTIGATION OF PEROGNATHUS AS AN EXPERIMENTAL ORGANISM FOR RESEARCH IN SPACE BIOLOGY SUMMARY PROGRESS REPORT, 1 JAN. - 31 DEC, 1966.
N67-16608 6C S05 06 HC$ 3.00 MF$ 0.65

BIOCHEMISTRY
BRAIN AMINO ACIDS AND BIOGENIC AMINES UNDER VARIOUS ATMOSPHERIC MIXTURES SEMIANNUAL REPORT, MAY - 31 OCT. 1966.
N67-15883 6A S05 06 HC$ 3.00 MF$ 0.65

BIOCHEMISTRY, MOLECULES
ULTRACENTRIFUGATION STUDIES WITH ABSORPTION OPTICS. V. ANALYSIS OF INTERACTING SYSTEMS INVOLVING MACROMOLECULES AND SMALL MOLECULES.
AD-646 692 6A U67 07

BIOLOGICAL CELL
LIFE PHENOMENA - A HISTORICAL SURVEY.
N67-15430 6C S05 06 HC$ 3.00 MF$ 0.65

STUDIES OF HEAVILY IONIZING PARTICLES AND SPACE BIOLOGY SEMIANNUAL REPORT.
N67-15941 6F S05 06 HC$ 3.00 MF$ 0.65

BIOLOGICAL WARFARE AGENTS, REVIEWS
CBE FACTORS MONTHLY SURVEY NO. 12.
AD-645 899 15B U67 07 HC$ 3.00 MF$ 0.65

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A SYSTEM FOR THE GENERATION OF MONOCHROMATIC RADIATION FOR PHOTO-BIOLOGICAL INVESTIGATIONS.
N67-15555 6B S05 06 HC$ 3.00 MF$ 0.65

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N67-15575 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME II - SCIENTIFIC PAYLOAD DEFINITION STUDIES FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15576 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME III - SYSTEM ENGINEERING STUDIES FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15577 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME IV - PROGRAM PLAN FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15578 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME V - EXOBIOLOGY BIBLIOGRAPHY FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15579 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME VI - TECHNICAL APPENDICES. PART 1 FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15580 22A S05 06 HC$ 3.00 MF$ 0.65

BIOLOGY, ENVIRONMENT
ENVIRONMENTAL BIOLOGY.
AD-645 899 6F U67 07 MF$ 0.65

BIONICS, DATA PROCESSING SYSTEMS
INFORMATION HANDLING PROPERTIES OF NEUROMIME NETS.
AD-645 441 9B U67 07 HC$ 3.00 MF$ 0.65

BIONICS, NERVOUS SYSTEM
HARDWARE AIDS FOR AUTOMATA DESIGN.
AD-645 393 9B U67 07 HC$ 3.00 MF$ 0.65

BIONICS, SIMULATION
FOREIGN SCIENCE BULLETIN VOL. 3, NO. 1, 1967.
AD-645 634 5A U67 07 HC$ 3.00 MF$ 0.65

BIOPHYSICS, ULTRACENTRIFUGES
ULTRACENTRIFUGATION STUDIES WITH ABSORPTION OPTICS. V. ANALYSIS OF INTERACTING SYSTEMS INVOLVING MACROMOLECULES AND SMALL MOLECULES.
AD-645 692 6A U67 07

BIOSATELLITE
THE BIOSPUTNIK IS CONDUCTING INVESTIGATIONS.
N67-15700 6S S05 06 HC$ 3.00 MF$ 0.65

BIRDS, ANESTHESIA
PENTOBARBITAL ANAESTHESIA IN THE HERRING AND LESSER BLACK-BACKED GULL.
AD-646 418 6C U67 07

BLOOD CIRCULATION, OXYGEN
FINAL REPORT, 1 JULY 1961-1 JULY 1966.
AD-645 554 6T U67 07 HC$ 3.00 MF$ 0.65

BLOOD COAGULATION, SEX HORMONES
INFLUENCE OF SEX AND THYROID PRINCIPLES ON THE ANTIPROTEOLYTIC ACTIVITY OF RAT SERUM.
AD-645 697 6A U67 07

BLOOD PROTEINS, BURNS
THE INFLUENCE OF INFECTION UPON SERUM PROTEIN CHANGES IN SEVERE BURNS.
AD-645 469 6E U67 07

BLUNT BODIES, FLOW FIELDS
EXPERIMENTAL INVESTIGATION OF THE DENSITY FLOW FIELD IN THE STAGNATION REGION OF A BLUNT BODY IN HIGH SPEED RAREFIED FLOW.
AD-645 743 20D U67 07 HC$ 3.00 MF$ 0.65

BLUNT BODY
EXPERIMENTAL STUDY OF EQUILIBRIUM AIR TOTAL RADIATION.
N67-15513 20M S05 06 HC$ 3.00 MF$ 0.65

CONVECTIVE AND RADIATIVE HEAT TRANSFER TO BLUNT BODIES AT ANGLE OF ATTACK, PART II FINAL REPORT.
N67-15571 20M S05 06 HC$ 3.00 MF$ 0.65

BODY TEMPERATURE REGULATION
INVESTIGATION OF PEROGNATHUS AS AN EXPERIMENTAL ORGANISM FOR RESEARCH IN SPACE BIOLOGY SUMMARY PROGRESS REPORT, 1 JAN. - 31 DEC. 1966.
N67-15608 6C S05 06 HC$ 3.00 MF$ 0.65

BODY TEMPERATURE, SURVIVAL
PHYSIOLOGICAL IMPLICATIONS AS TO SURVIVAL DURING IMMERSION IN WATER AT 75F.
AD-646 826 6S U67 07

BOILER
COMPUTER CODES FOR THERMAL DESIGN OF POTASSIUM BOILERS AND CONDENSERS.
N67-15570 20M S05 06 HC$ 3.00 MF$ 0.65

BOILING, COMPUTER PROGRAMS
CODE FLID (DEP 851). PROGRAMME NUMERIQUE ANALYSANT EN DEUX DIMENSIONS LE COMPORTEMENT THERMODYNAMIQUE D UN LIQUIDE BOUILLANT (FLID (DEP 851). A CODE FOR THE TWO DIMENSIONAL ANALYSIS OF THE THERMODYNAMIC BEHAVIOUR OF A BOILING LIQUID).
PR-174 939 18I U67 07 HC$ 3.00 MF$ 0.65

BONDING, SPACE MAINTENANCE
EXOTHERMIC SPACE BONDING SYSTEM.
AD-646 670 22A U67 07 HC$ 3.00 MF$ 0.65

BONDING, WOOD
GLUING AMMONIUM-SALT-TREATED SOUTHERN PINE WITH RESORCINOL-RESIN ADHESIVES.
AD-646 565 11L U67 07 HC$ 3.00 MF$ 0.65

BORON, NUCLEAR ENERGY LEVELS
LEVELS IN 11B FROM 7LI(ALPHA,ALPHA)7LI AND 7LI(ALPHA,ALPHA)7LI*(0.48).
AD-646 789 20H U67 07

BOSONS, QUANTUM STATISTICS
QUANTUM-MECHANICAL EXTENSION OF THE LEBOWITZ-PENROSE THEOREM ON THE VAN DER WAALS THEORY.
AD-646 407 20J U67 07

BOUNDARY LAYER TRANSITION
CALCULATION OF THE EFFECT OF VISCOUS DRAG ON THE PERFORMANCE OF A COAXIAL PLASMA GUN.
N67-15960 20I S05 06 HC$ 3.00 MF$ 0.65

BOUNDARY LAYER, ATMOSPHERIC MOTION
A TABULAR PRESENTATION OF THE SURFACE BOUNDARY LAYER MODELS OF WEBB, BUSINGER, AND PANOFSKY.
AD-646 700 4B U67 07 HC$ 3.00 MF$ 0.65

BOUNDARY LAYER, GROUND EFFECT MACHINES
EFFECT OF GROUND BOARD BOUNDARY LAYER ON AIR CUSHION VEHICLE WIND TUNNEL TESTS.
AD-646 808 1C U67 07 HC$ 3.00 MF$ 0.65

BOUNDARY LAYER, MAGNETOHYDRODYNAMICS
THE FLAT-PLATE MAGNETOHYDRODYNAMIC BOUNDARY LAYER IN A TRANSVERSE MAGNETIC FIELD.
AD-646 773 20I U67 07 HC$ 3.00 MF$ 0.65

BOUNDARY LAYER, WIND TUNNELS
THE NOL BOUNDARY LAYER CHANNEL.
AD-646 748 14B U67 07 HC$ 3.00 MF$ 0.65

BOVINES, INGESTION(PHYSIOLOGY)
THE FEASIBILITY OF COOPERATIVE CATTLE FEEDING IN MONTANA. OPPORTUNITY FOR EXPANDED CATTLE FEEDING IN MONTANA.
PR-174 879 2B U67 07 HC$ 3.00 MF$ 0.65

BRAIN
MOLECULAR NEUROCHEMISTRY OF THE BRAIN DURING CONDITIONED AVOIDANCE BEHAVIOR.
N67-15660 5J S05 06 HC$ 3.00 MF$ 0.65

BRAIN AMINO ACIDS AND BIOGENIC AMINES UNDER VARIOUS ATMOSPHERIC MIXTURES SEMIANNUAL REPORT, MAY - 31 OCT. 1966.
N67-15883 6A S05 06 HC$ 3.00 MF$ 0.65

BRAIN, MEMORY
MEMORY WITHOUT RECORD.
AD-646 844 5J U67 07

BRAIN, NUCLEIC ACIDS
MOLECULAR NEUROCHEMISTRY OF THE HIPPOCAMPUS AND OTHER BRAIN SITES DURING CONDITIONED AVOIDANCE BEHAVIOR.
AD-646 701 5J U67 07 HC$ 3.00 MF$ 0.65

BRAYTON CYCLE
TURBINE RESEARCH PACKAGE FOR RESEARCH AND DEVELOPMENT OF HIGH PERFORMANCE AXIAL FLOW TURBINE-COMPRESSOR FINAL REPORT.
N67-16565 10A S05 06 HC$ 3.00 MF$ 0.65

COMPUTER PROGRAM FOR THERMODYNAMIC PERFORMANCE OF BRAYTON-CYCLE SPACE-POWER SYSTEMS.
N67-16680 10A S05 06 HC$ 3.00 MF$ 0.65

BRAZING
STUDY OF SPACE ENVIRONMENT FABRICATION AND REPAIR TECHNIQUES FINAL TECHNICAL SUMMARY REPORT.
N67-15679 13H S05 06 HC$ 3.00 MF$ 0.65

BREECH MECHANISMS, SPRINGS
TORSION LEAF-SPRING PACKS.
AD-646 385 19F U67 07 HC$ 3.00 MF$ 0.65

BREEDER REACTORS, REACTOR FUELS
1000-MW(E) METAL-FUELED FAST BREEDER REACTOR.
ANL-7001 18I N21 04 HC$ 3.00 MF$ 0.65

BRIDGES, CONSTRUCTION
THE EXPLORATION OF FACTORS DETERMINING THE FATIGUE STRENGTH OF COMPOSITE BEAMS WITH A REDUCED NUMBER OF SHEAR CONNECTORS IN HIGHWAY BRIDGES.
PB-174 006 13M U67 07 HC$ 3.00 MF$ 0.65

BRIDGES, STRUCTURAL PROPERTIES
AN ANALYTICAL STUDY OF EIGHT DIFFERENT TYPES OF HIGHWAY

BRIDGE STRUCTURES.
PB-174 015 13M U67 07 HC$ 3.00 MF$ 0.65

BUBBLE
AN EXPERIMENTAL INVESTIGATION OF BOILING IN NORMAL AND ZERO GRAVITY.
N67-15044 20M S05 06 HC$ 3.00 MF$ 0.65

BUBBLES, OSCILLATION
NONLINEAR BUBBLE OSCILLATIONS.
AD-646 755 20D U67 07 HC$ 3.00 MF$ 0.65

BUCKLING(NEUTRON DENSITY), MATHEMATICAL ANALYSIS
APPLICATION DE LA METHODE JANVIER (M.YVON) AUX EXPERIENCES PAR NEUTRONS PULSES (APPLICATION OF THE JANVIER (M.YVON) METHOD TO PULSED NEUTRON EXPERIMENTS).
PB-174 028 18K U67 07 HC$ 3.00 MF$ 0.65

BUDGETS, MANAGEMENT PLANNING
A CHANCE-CONSTRAINED APPROACH TO CAPITAL BUDGETING WITH PORTFOLIO TYPE PAYBACK AND LIQUIDITY CONSTRAINTS AND HORIZON POSTURE CONTROLS.
AD-646 723 9C U67 07 HC$ 3.00 MF$ 0.65

BUILDINGS, CANADA
ANALYSIS OF THE NATIONAL BUILDING CODE OF CANADA.
PB-174 097 13M U67 07 HC$ 3.00 MF$ 0.65

BUILDINGS, COSTS
COMPUTER - AIDED COST ESTIMATING TECHNIQUES FOR ARCHITECTS.
PB-174 098 13M U67 07 HC$ 3.00 MF$ 0.65

BUILDINGS, PERFORMANCE(ENGINEERING)
PERFORMANCE CONCEPTS FOR BUILDING TECHNOLOGY.
PB-174 096 13M U67 07 HC$ 3.00 MF$ 0.65

BURNS, BLOOD PROTEINS
THE INFLUENCE OF INFECTION UPON SERUM PROTEIN CHANGES IN SEVERE BURNS.
AD-645 469 6E U67 07

BUTANOLS, HEAT TRANSFER
INVESTIGATION OF HEAT TRANSFER AT HIGH HEAT FLUX EXPERIMENTAL STUDY OF HEAT TRANSFER AND FRICTION DROP WITH N BUTYL ALCOHOL IN AN ELECTRICALLY HEATED TUBE.
N63-83586 20M U67 07 HC$ 3.00 MF$ 0.65

BUTYL RUBBER, STABILITY
WATER STABILITY OF FILLED ELASTOMERS.
AD-646 539 11J U67 07 HC$ 3.00 MF$ 0.65

CADMIUM SULFIDE
RESEARCH AND DEVELOPMENT IN CD S PHOTOVOLTAIC CELLS FINAL REPORT, 28 JUN. 1965 - 27 JUN. 1966.
N67-15562 10A S05 06 HC$ 3.00 MF$ 0.65

CALCIUM FLUORIDES, INTERACTIONS
HIGH PRESSURE AND DIELECTRIC INVESTIGATIONS OF THE ALKALINE EARTH FLUORIDES.
AD-645 654 20L U67 07 HC$ 3.00 MF$ 0.65

CALCIUM FLUORIDES, PARAMAGNETIC RESONANCE
ELECTRONIC AND NUCLEAR PARAMAGNETISM AND ENERGY EXCHANGE MECHANISMS.
AD-645 620 20L U67 07 HC$ 3.00 MF$ 0.65

CALCIUM, NUCLEAR SHELL MODELS
SHELL MODEL CALCULATION IN THE CALCIUM-ISOTOPES.
AD-646 782 18B U67 07 HC$ 3.00 MF$ 0.65

CALCULUS OF VARIATIONS, THEORY
AN ABSTRACT VARIATIONAL THEORY WITH APPLICATIONS TO A BROAD CLASS OF OPTIMIZATION PROBLEMS. I. GENERAL THEORY.
AD-646 415 12B U67 07

CALIBRATION, ATTENUATORS
WAVEGUIDE ATTENUATORS 2.60 TO 40.0 GHZ 0 TO 50 DB.
PB-174 086 9A U67 07 HC$ 3.00 MF$ 0.65

CALIBRATION, MULTIMETERS
AC-DC METER CALIBRATOR MODEL 33 (RADIO FREQUENCY LABORATORIES, INC).
PB-174 081 9C U67 07 HC$ 3.00 MF$ 0.65

CALIBRATION, THERMOCOUPLES
BASE-METAL THERMOCOUPLES (EXCEPT COPPER VS. CONSTANTAN) AMBIENT TO 1000 C.
PB-174 080 14B U67 07 HC$ 3.00 MF$ 0.65

CALORIMETER
RESEARCH INTO FUNDAMENTAL PHENOMENA ASSOCIATED WITH SPACECRAFT ELECTROCHEMICAL DEVICES--CALORIMETRY OF NICKEL-CADMIUM CELL PROGRESS REPORT, JAN. 1 - SEP. 30, 1966.
N67-15609 10C S05 06 HC$ 3.00 MF$ 0.65

CANCER, CHEMOTHERAPEUTIC AGENTS
TOXICOLOGIC EVALUATION OF 2,2 -(9-10-ANTHRYLENEDIMETHYLENE) BIS-2-PSEUDOTHIOUREA DIHYDROCHLORIDE DIHYDRATE (NSC-56054).
PB-173 976 6O U67 07 HC$ 3.00 MF$ 0.65

ADDENDUM TO TOXICOLOGIC EVALUATION OF TOXICOLOGIC 2,2 -(9,10 ANTHRYLENEDIMETHYLENE)-BIS-2-PSEUDOTHIOUREA DIHYDROCHLORIDE DIHYDRATE (NSC-56054).
PB-173 977 6O U67 07 HC$ 3.00 MF$ 0.65

ACUTE ORAL ADMINISTRATION OF CFNU TO RHESUS MONKEYS.
PB-173 979 6O U67 07 HC$ 3.00 MF$ 0.65

ACUTE IP ADMINISTRATION OF SODIUM FLUOROACETATE TO MALE ALBINO RATS PROTECTION BY MONACETIN AGAINST LETHALITY OF SODIUM FLUOROACETATE AND 3-CYCLOHEXYL-1-(2-FLUOROETHYL)-1-NITROSOUREA (CFNU) TO MALE ALBINO RATS.
PB-173 980 6O U67 07 HC$ 3.00 MF$ 0.65

ACUTE ORAL ADMINISTRATION OF CYTOSINE ARABINOSIDE TRIACETATE TO MALE ALBINO RATS AND MALE AND FEMALE RHESUS MONKEYS.
PB-173 981 6O U67 07 HC$ 3.00 MF$ 0.65

CANCER, ETIOLOGY
DEVELOPMENT AND PRODUCTION OF REAGENTS FOR THE IDENTIFICATION OF TUMORS INDUCED BY VIRUSES.
PB-174 078 6M U67 07 HC$ 3.00 MF$ 0.65

ONCOGENICITY TESTING OF CANDIDATE VIRAL RESPIRATORY VACCINE STRAINS AND TUMOR REAGENT PROGRAMS.
PB-174 071 6M U67 07 HC$ 3.00 MF$ 0.65

CARBIDES, RARE EARTH COMPOUNDS
EXISTENCE ET STRUCTURE DES MONOCARBURES DE TERRES RARES ETUDE DE LEURS PROPRIETES MAGNETIQUES A BASSES TEMPERATURES (EXISTENCE AND STRUCTURE OF RARE-EARTH MONOCARBIDES STUDY OF THEIR LOW TEMPERATURE MAGNETIC PROPERTIES).
PB-174 030 7B U67 07 HC$ 3.00 MF$ 0.65

CARBON
SPECTRAL ABSORPTION COEFFICIENTS OF CARBON, NITROGEN, AND OXYGEN ATOMS.
N67-15696 20M S05 06 HC$ 3.00 MF$ 0.65

CARBON BLACK, QUANTITATIVE ANALYSIS
DETERMINATION OF CARBON BLACK IN HIGH GLOSS ENAMELS AND LACQUERS.
AD-646 381 11C U67 07 HC$ 3.00 MF$ 0.65

CARBON DIOXIDE
A PARAMETER STUDY OF A CARBON DIOXIDE GAS LASER.
N67-16633 20E S05 06 HC$ 3.00 MF$ 0.65

CARBON MONOXIDE, CHEMISORPTION
CONTRIBUTION A L ETUDE DES INTERACTIONS DE L OXYDE DE CARBONE ET DES METAU DE TRANSITION (ON THE INTERACTIONS BETWEEN CARBON MONOXIDE AND TRANSITION METALS).
PB-174 035 7D U67 07 HC$ 3.00 MF$ 0.65

CARBON MONOXIDE, LUMINESCENCE
IR DETECTOR TEMPERATURE REGULATOR FOR CO VIBRALUMINESCENCE STUDIES.
AD-646 429 20F U67 07 HC$ 3.00 MF$ 0.65

CARBON MONOXIDE, REACTION KINETICS
KINETICS OF HYDROGEN-OXYGEN AND HYDROCARBON-OXYGEN REACTIONS.
AD-646 850 7D U67 07 HC$ 3.00 MF$ 0.65

CARBON 14
RAPID TECHNIQUE FOR LIQUID SCINTILLATION COUNTING OF CARBON-14-LABELLED BARIUM CARBONATE.
N67-16616 7D S05 06 HC$ 3.00 MF$ 0.65

CARBON, ATOMIC ENERGY LEVELS
EFFECT OF THE MOTION OF THE NUCLEUS ON THE FINE AND HYPERFINE STRUCTURE OF TERMS.
AD-646 618 7D U67 07 HC$ 3.00 MF$ 0.65

CARBON, ATOMIC ORBITALS
FINE STRUCTURE OF TERMS IN ATOMIC SPECIES OF CARBON AND NITROGEN TYPE IN THE CONFIGURATIONS 1S(2)2S2P(3) AND 1S(2)2S(2)2P(3).
AD-646 637 7D U67 07 HC$ 3.00 MF$ 0.65

CARBON, PROTON SCATTERING
CONTRIBUTION A L ETUDE DES DIFFUSIONS ELASTIQUE ET INELASTIQUES DES PROTONS SUR LE CARBONE 12 (CONTRIBUTION TO THE STUDY OF PROTON ELASTIC AND INELASTIC SCATTERING ON CARBON-12).
PB-174 032 20M U67 07 HC$ 3.00 MF$ 0.65

CARBOXYLIC ACIDS, CHEMICAL REACTIONS
HALOMETHYL-METAL COMPOUNDS. VII. THE REACTION OF PHENYL(BROMODICHLOROMETHYL) MERCURY WITH CARBOXYLIC ACIDS.
AD-646 394 7C U67 07

CARGO VEHICLES, TRAFFICABILITY
TRAFFICABILITY TESTS WITH THE 5-TON GOER (XM35U) ON FINE-AND COARSE-GRAINED SOILS.
AD-646 591 13F U67 07 HC$ 3.00 MF$ 0.65

CARIBBEAN SEA, OCEANOGRAPHIC DATA
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AD-646 433 20L U67 07

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HOLE TRAPPING AND THE IONIZATION ENERGY OF NATIVE ACCEPTOR CENTERS IN AGBR.
AD-646 413 20L U67 07

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N67-15606 11F S05 06 HC$ 3.00 MF$ 0.65

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AD-645 449 3C U67 07 HC$ 3.00 MF$ 0.65

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AD-645 562 11L U67 07 HC$ 3.00 MF$ 0.65

CEMENTS, MOISTURE
EFFECT OF WIND ON CREEP AND DRYING SHRINKAGE OF HARDENED CEMENT MORTAR AND CONCRETE,
AD-645 469 13C U67 07

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LOCALIZATION OF MONOAMINERGIC NEURONS IN THE CENTRAL NERVOUS SYSTEM OF ASTACUS ASTACUS LINNE (CRUSTACEA),
AD-645 414 6P U67 07

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MODIFICATIONS IN DESIGN IMPROVE DREDGE PUMP EFFICIENCY,
AD-645 794 13K U67 07 HC$ 3.00 MF$ 0.65

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EFFECT OF THE CLEARANCES BETWEEN THE CASTING AND THE WHEEL UPON THE EFFICIENCY OF THE CENTRIPETAL GAS TURBINE,
N67-15691 10A S05 06 HC$ 3.00 MF$ 0.65

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CENTRIFUGAL FIBERS TO THE RETINA OF OCTOPUS VULGARIS,
AD-645 430 6C U67 07

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AD-644 584 7D U67 07 HC$ 3.00 MF$ 0.65

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N67-15556 20H S05 06 HC$ 3.00 MF$ 0.65

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N67-15505 4A S05 06 HC$ 3.00 MF$ 0.65

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N67-15546 14B S05 06 HC$ 3.00 MF$ 0.65

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N67-15597 7BB S05 06 HC$ 3.00 MF$ 0.65

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TOXICOLOGIC EVALUATION OF 2,2 -(9-10-ANTHRYLENEDIMETHYLENE) BIS-2-PSEUDOTHIOUREA DIHYDROCHLORIDE DIHYDRATE (NSC-56054).
PB-173 976 6D U67 07 HC$ 3.00 MF$ 0.65

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PB-173 979 6D U67 07 HC$ 3.00 MF$ 0.65

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PB-173 980 6D U67 07 HC$ 3.00 MF$ 0.65

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PB-173 981 6D U67 07 HC$ 3.00 MF$ 0.65

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AD-646 504 6D U67 07

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PLANAR COAXIAL INTERCONNECTION TECHNIQUES,
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CISLUNAR SPACE
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N67-15900 20M S05 06 HC$ 3.00 MF$ 0.65

CIVIL AVIATION, SONIC BOOM
THE SONIC BOOM PROBLEM,
AD-646 676 1C U67 07 HC$ 3.00 MF$ 0.65

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THE EXPLORATION OF ECONOMIC, SAFETY, MAINTENANCE AND/OR OPERATIONS ON PAVED VERSUS UNPAVED SHOULDERS,
PB-174 008 13B U67 07 HC$ 3.00 MF$ 0.65

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NEW DEVELOPMENTS IN CLAD METAL WIRE AND SHIELDING,
AD-646 523 9A U67 07 HC$ 3.00 MF$ 0.65

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A COMPARATIVE STUDY OF GLAUCONITE AND THE ASSOCIATED CLAY FRACTION IN MODERN MARINE SEDIMENTS,
PB-174 002 8J U67 07 HC$ 3.00 MF$ 0.65

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THE DESIGN AND OPERATION OF AN R AND D CLEAN ROOM COMPLEX FOR GUIDANCE AND CONTROL SYSTEMS,
AD-646 388 14B U67 07 HC$ 3.00 MF$ 0.65

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R AND D CLEAN OR PRODUCTION CLEAN,
AD-646 734 14B U67 07 HC$ 3.00 MF$ 0.65

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PB-173 992 4A U67 07 HC$ 3.00 MF$ 0.65

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AD-646 687 6E U67 07

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NUMERICAL INTERPRETATION OF CLOUD INFORMATION FROM METEOROLOGICAL SATELLITES,
AD-646 617 4B U67 07 HC$ 3.00 MF$ 0.65

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PROCESS DESIGN AND COST ESTIMATE FOR PRODUCTION OF 286 MILLION SCF/DAY OF PIPELINE GAS BY THE HYDROGASIFICATION OF BITUMINOUS COAL--HYDROGEN BY THE STEAM-IRON PROCESS,
PB-174 064 21D U67 07 HC$ 3.00 MF$ 0.65

COATINGS, ELECTRIC CABLES
THE EVOLUTION OF SHEATH CONSTRUCTIONS FOR COMMUNICATIONS CABLES,
AD-646 537 9A U67 07 HC$ 3.00 MF$ 0.65

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THE DESIGN OF PLATED COAXIAL CABLE,
AD-646 529 9A U67 07 HC$ 3.00 MF$ 0.65

COAXIAL CABLES, MATERIALS
LOW-MODULUS MATERIALS FOR COAXIAL CABLE,
AD-646 538 9A U67 07 HC$ 3.00 MF$ 0.65

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SILICONE RUBBER SUITABLE FOR COAXIAL CABLE,
AD-646 545 9A U67 07 HC$ 3.00 MF$ 0.65

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COMPUTER CODES FOR THERMAL DESIGN OF POTASSIUM BOILERS AND CONDENSERS,
N67-15570 20M S05 06 HC$ 3.00 MF$ 0.65

CODING, BUILDINGS
ANALYSIS OF THE NATIONAL BUILDING CODE OF CANADA,
PB-174 097 13M U67 07 HC$ 3.00 MF$ 0.65

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A STUDY OF ERROR-CORRECTING CODES, II DECODABILITY PROPERTIES,
AD-646 875 9D U67 07 HC$ 3.00 MF$ 0.65

CODING, MATHEMATICS
MATHEMATICAL RESEARCH ON CODING THEORY,
AD-646 876 9D U67 07 HC$ 3.00 MF$ 0.65

CODING, SPEECH
EFFICIENT CODING OF VOCODER CHANNEL SIGNALS USING LINEAR TRANSFORMATION,
AD-646 471 9D U67 07

COHERENT RADIATION, ATTENUATION
COHERENT PULSE TRANSMISSION THROUGH RAIN,
AD-646 623 20N U67 07 HC$ 3.00 MF$ 0.65

COHERENT RADIATION, GAS IONIZATION
IONISATION D UN ATOME DE CESIUM PAR UN PROCESSUS D ABSORPTION A DEUX PHOTONS ISSUS D UN FAISEAU LASER (IONISATION OF A CESIUM ATOM BY AN ABSORPTION PROCESS INVOLVING TWO PHOTONS FROM A LASER BEAM),
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N67-16045 20M S05 06 HC$ 3.00 MF$ 0.65

COLOR CENTERS, GLASS
COMPETITIVE TRAPPING IN SODIUM DISILICATE GLASSES DOPED WITH EU(+3),
AD-646 433 20L U67 07

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SULFUR DONORS IN SILICON INFRARED TRANSITIONS AND EFFECTS OF CALIBRATED UNIAXIAL STRESS,
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COLOR PHOTOGRAPHY
COMMUNICATIONS OF THE LUNAR AND PLANETARY LABORATORY, NOS. 58-59,
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PHOTOPIC RETINAL POTENTIALS EVOKED BY PHASE ALTERNATION OF A BARRED PATTERN,
AD-646 819 6P U67 07

COLOR VISION, VISUAL ACUITY
THE EFFECT OF WAVELENGTH ON VISUAL ACUITY,
AD-646 575 6P U67 07 HC$ 3.00 MF$ 0.65

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THE ARRANGEMENT OF CIC EQUIPMENT ON A CVL. (SHIPBOARD SYSTEMS STUDIES),
AD-646 615 13J U67 07 MF$ 0.65

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MECHANICAL ABSORPTION OF ACOUSTIC OSCILLATIONS IN SIMULATED ROCKET COMBUSTION CHAMBERS,
N67-16690 21B S05 06 HC$ 3.00 MF$ 0.65

COMBUSTION, INHIBITION
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PB-173 993 21R U67 07 HC$ 3.00 MF$ 0.65

COMET
PHYSICS OF COMETS AND METEORS,
N67-15441 3B S05 06 HC$ 3.00 MF$ 0.65

COMMAND + CONTROL SYSTEMS, INSTALLATION
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BERMUDA,
PB-174 065 5D U67 07 HC$ 3.00 MF$ 0.65

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FALKLAND ISLANDS,
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COMMUNICATION SYSTEM
TACTUAL PERCEPTION - EXPERIMENTS AND MODELS,
N67-16661 5H S05 06 HC$ 3.00 MF$ 0.65

COMMUNICATION SYSTEMS, FEEDBACK
ANALYSIS AND SIMULATION OF WORD-SELECTION PROCEDURES IN

ERROR-FREE COMMUNICATION SYSTEMS. PART I. COMPUTER PROGRAMS AND MATHEMATICAL THEORY.
AD-646 780 9D U67 07 HC$ 3.00 MF$ 0.65

COMMUTATOR
A FUNCTIONALLY-INTEGRATED CONTROLLER- COMMUTATOR FOR USE IN BRUSHLESS DIRECT-DRIVE SOLAR ARRAY REORIENTATION SYSTEMS.
N67-16544 10B S05 06 HC$ 3.00 MF$ 0.65

COMPENSATORY TRACKING
A CRITICAL TRACKING TASK FOR MAN-MACHINE RESEARCH RELATED TO THE OPERATORS EFFECTIVE DELAY TIME. PART II - EXPERIMENTAL EFFECTS OF SYSTEM INPUT SPECTRA, CONTROL STICK STIFFNESS, AND CONTROLLED ELEMENT ORDER.
N67-15012 9H S05 06 HC$ 3.00 MF$ 0.65

COMPLEX COMPOUNDS, RADIATION CHEMISTRY
ELECTROMAGNETIC RADIATION CHEMISTRY.
AD-646 643 7E U67 07 HC$ 3.00 MF$ 0.65

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BASIC RESEARCH ON SYNTHESIS OF NEW PHOSPHORUS-NITROGEN REAGENTS.
AD-646 745 7B U67 07 HC$ 3.00 MF$ 0.65

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N67-15669 22B S05 06 HC$ 3.00 MF$ 0.65

PROJECT DIODE RELIABILITY PREDICTION TECHNIQUE ,
N67-15670 14D S05 06 HC$ 3.00 MF$ 0.65

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DEVELOPMENT OF COMPOSITE STRUCTURAL MATERIALS FOR HIGH TEMPERATURE APPLICATIONS.
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COMPOSITE PROPELLANT
OUTGASSING RATES OF TWO SOLID ROCKET FUELS IN VACUUM.
N67-15959 21I S05 06 HC$ 3.00 MF$ 0.65

COMPRESSION BUCKLING
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N67-15688 20K S05 06 HC$ 3.00 MF$ 0.65

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TURBINE RESEARCH PACKAGE FOR RESEARCH AND DEVELOPMENT OF HIGH PERFORMANCE AXIAL FLOW TURBINE-COMPRESSOR FINAL REPORT.
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FUNCTIONAL REQUIREMENTS FOR SPACEBORNE COMPUTERS ON ADVANCED MANNED MISSIONS.
N67-15882 9B S05 06 HC$ 3.00 MF$ 0.65

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STUDY OF PIECE PART FAULT ISOLATION BY COMPUTER LOGIC.
AD-646 359 16A U67 07 HC$ 3.00 MF$ 0.65

COMPUTER LOGIC, INTEGRATED CIRCUITS
INTEGRATED LOGIC NETS.
AD-646 726 9E U67 07 HC$ 3.00 MF$ 0.65

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N67-15540 18F S05 06 HC$ 3.00 MF$ 0.65

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COMPUTER PROGRAMMING FOR A DIGITAL DATA ACQUISITION SYSTEM.
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COMPUTER PROGRAMS, ATMOSPHERIC SOUNDING
ATMOSPHERIC DENSITY DETERMINATION FROM LOW HEIGHT SATELLITES.
AD-646 584 4A U67 07 HC$ 3.00 MF$ 0.65

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AD-646 658 1C U67 07 HC$ 3.00 MF$ 0.65

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AD-646 795 9B U67 07 HC$ 3.00 MF$ 0.65

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A COMPUTER PROGRAM FOR THE ANALYSIS OF GAMMA-RAY SPECTRA BY THE METHOD OF LEAST SQUARES.
PB-173 978 6R U67 07 HC$ 3.00 MF$ 0.65

COMPUTER PROGRAMS, HEAT EXCHANGERS
FAST FLUX TEST FACILITY. ADOPT PROGRAM FOR STEADY-STATE PROCESS DESIGN AND COST OPTIMIZATION OF FFTF HEAT REMOVAL SYSTEMS USING HEAT DUMPS TO AIR.
BNWL-308 18I N21 04 HC$ 3.00 MF$ 0.65

COMPUTER PROGRAMS, INFORMATION THEORY
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JOSS USER SCHEDULING AND RESOURCE ALLOCATION.
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CHITRAN - A 7030 (STRETCH COMPUTER PROGRAM FOR THE CHI-SQUARE TEST OF NORMALITY.
AD-646 577 12A U67 07 HC$ 3.00 MF$ 0.65

COMPUTER PROGRAMS, THERMAL PROPERTIES
EQUATIONS AND COMPUTER PROGRAM TO CALCULATE THE THERMAL HISTORY OF A DUAL-LAYERED PLATE SUBJECT TO THE THERMAL PULSE OF A NUCLEAR WEAPON.
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RESEARCH ON THE DEFLAGRATION OF HIGH-ENERGY SOLID OXIDIZERS.
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CONTROLLABLE DEFORMATIONS OF INCOMPRESSIBLE SIMPLE MATERIALS.
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SMALL MOTIONS SUPERPOSED ON LARGE STATIC DEFORMATIONS IN POROUS MEDIA.
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SEISMIC DISCRIMINATION.
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PROOFS OF SOME CONJECTURES ON PERMANENTS.
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THE REALIZATION OF PARTICLE-LIKE SOLUTIONS OF THE EINSTEIN EQUATIONS FOR A SCALER COMPLEX FIELD.
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THE DIFFERENTIATOR CIRCUIT.
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LATENT VIRAL DISEASES IN THE DOG.
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RADAR VERIFICATION OF THE DOPPLER FORMULA.
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REMARKS ON THE DOPPLER RADAR MEASURING METHOD FOR INTERIOR BALLISTICS MEASUREMENTS.
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RONDVU/ PRESTO - PROGRAM FOR RENDEZVOUS MISSION TRAJECTORY OPTIMIZATION.
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RESEARCH ON THEORETICAL SEISMOLOGY FINAL REPORT, JUL. 1, 1956 - JUN. 30, 1966.
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THE FOCAL MECHANISM OF THE ALASKA EARTHQUAKE OFMARCH 28, 1964, AND OF ITS AFTERSHOCK SEQUENCE.
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PLASTIC BUCKLING OF AXIALLY COMPRESSED ECCENTRICALLY STIFFENED CYLINDERS.
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THEORY OF THE THREE-DIMENSIONAL STRESS STATE IN A PLATE WITH A HOLE.
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INFLUENCE COEFFICIENTS FOR SEMI-INFINITE AND INFINITE CIRCULAR CYLINDRICAL ELASTIC SHELLS,
AD-646 693 13M U67 07

ELASTIC SHELLS, THEORY
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ELASTOMERS, STABILITY
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SURVEY OF INVESTIGATIONS OF ELECTRIC ARC INTERACTIONS WITH MAGNETIC AND AERODYNAMIC FIELDS.
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INVESTIGATION OF ELECTRIC ARC INTERACTION WITH AERODYNAMIC AND MAGNETIC FIELDS.
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THE EVOLUTION OF SHEATH CONSTRUCTIONS FOR COMMUNICATIONS CABLES,
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CABLE INSULATION THERMAL LIFE STUDIES,
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FLAT CONDUCTOR CABLE MANUFACTURE AND INSTALLATION TECHNIQUES,
AD-646 533 9A U67 07 HC$ 3.00 MF$ 0.65

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NEW DEVELOPMENTS IN CLAD METAL WIRE AND SHIELDING,
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THREE TYPES OF CABLE SHEATH PRODUCED BY HIGH FREQUENCY WELDING,
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PROTECTION OF GEOPHYSICAL, COMMUNICATION AND POWER TRANSMISSION CABLE AGAINST RODENT SPECIES ATTACK BY R-55 RODENT REPELLENT TREATMENT,
AD-646 536 9A U67 07 HC$ 3.00 MF$ 0.65

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A REVIEW OF POLYOLEFIN TEST REQUIREMENTS IN WIRE AND CABLE SPECIFICATIONS,
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ELECTRIC CABLES, SYMPOSIA
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ELECTRIC CURRENTS, SLEEP
ELECTRICAL ANESTHESIA TECHNIQUES,
BNWL-317 6E N21 04 HC$ 3.00 MF$ 0.65

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A NEW NEAR-ZONE ELECTRIC FIELD-STRENGTH METER.
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ELECTRIC INSULATION, ELASTOMERS
WATER STABILITY OF FILLED ELASTOMERS,
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ELECTRIC INSULATION, LIFE EXPECTANCY
CABLE INSULATION THERMAL LIFE STUDIES,
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ELECTRIC INSULATION, POLYETHYLENE PLASTICS
UNDERWATER DEGRADATION OF POLYETHYLENE FOR WIRE INSULATION,
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THERMAL STABILITY OF CROSS-LINKED POLYETHYLENE,
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SOLUTION POLYMERIZED BUTADIENE/STYRENE RUBBERS FOR WIRE AND CABLE APPLICATIONS,
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ELECTRIC PROPERTY
THE DEPENDENCE OF CERTAIN ELECTROPHYSICAL AND THERMOPHYSICAL PROPERTIES OF ZIRCONIUM MONOCARBIDE ON CARBON CONTENT IN THE HOMOGENEITY REGION,
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THE EFFECT OF POST GEOMETRY OF SOLDERLESS WRAPPED TERMINATION PERFORMANCE,
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ELECTRIC WIRE, INDUSTRIAL PRODUCTION
A TANDEM WIRE DRAWING AND INSULATING LINE,
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ELECTRIC WIRE, SPECIFICATIONS
A REVIEW OF POLYOLEFIN TEST REQUIREMENTS IN WIRE AND CABLE SPECIFICATIONS,
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ELECTRIC WIRE, UNDERWATER
HIGH-VOLTAGE UNDERWATER CABLE FOR TORPEDO PROPULSION,
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ELECTRICAL CONDUCTANCE, PLASMA MEDIUM
ELECTRICAL CONDUCTIVITY OF A PLASMA,
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THE NUMBER OF TERMS IN THE GENERAL GAIN FORMULAS FOR COATES AND MASON SIGNAL FLOW GRAPHS,
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SYNTHESIS OF TIME-VARYING PASSIVE NETWORKS,
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LIFE PHENOMENA - A HISTORICAL SURVEY,
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STUDY OF ASBESTOS FOR ELECTROCHEMICAL CELLS FIRST SUMMARY REPORT,
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ELECTROCHEMICAL CHARACTERIZATION OF SYSTEMS FOR SECONDARY BATTERY APPLICATION SECOND QUARTERLY REPORT, AUG. - OCT. 1966,
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THE ELECTROCHEMICAL AND DISSOLUTION PROPERTIES OF NICKEL OXIDE,
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ELECTROENCEPHALOGRAPHY, DATA PROCESSING SYSTEMS
PROCESSING NEUROELECTRIC DATA,
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ELECTROFORMING OF THE COMPOSITES OF NICKEL REINFORCED WITH SOME HIGH-STRENGTH FILAMENTS,
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HUMAN FACTORS IN THE DESIGN OF ELECTROLUMINESCENT DISPLAYS FOR AEROSPACE EQUIPMENT,
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POLISH TRANSACTIONS IN PHYSICS, VOL. 26, NO. 3 AND 4, 1964 SELECTED ARTICLES,
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EXPERIMENTS ON THE A. C. ELECTROLUMINESCENCE OF CU DOPED ZNS SINGLE CRYSTALS,
AD-644 802 20L U67 07

ELECTROLYTE
RESEARCH AND DEVELOPMENT OF CELLS WITH BELLOWS CONTROLLED ELECTROLYTE LEVELS FINAL PROGRESS REPORT, MAY 11, 1965 - APR. 1, 1966,
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FREQUENCY ASSIGNMENT STUDIES,
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ELECTROMAGNETIC WAVES, BACKSCATTERING
NOTE ON THE EFFECT OF SHADOWING ON THE BACKSCATTERING OF WAVES FROM A RANDOM ROUGH SURFACE,
AD-644 482 20N U67 07

ELECTROMAGNETIC WAVES, MEASUREMENT
A COMPARISON OF SEVERAL APPROXIMATIONS FOR THE DETERMINATION OF PLASMA LAYER PROPERTIES FROM THE MEASURED ELECTROMAGNETIC TRANSMISSION COEFFICIENT,
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NON-LINEAR ANALYSIS OF HETEROPOLAR ELECTROMECHANICAL ENERGY CONVERTERS. PART I. ANALYSIS OF LARGE DC MACHINES,
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PROPOSITIONS POUR LE MECHANISME D ECHAUFFEMENT D UN CORPS PAR BOMBARDEMENT ELECTONIQUE (PROPOSALS FOR THE HEATING MECHANISM OF AN ELECTRONICALLY BOMBARDED BODY),
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QUELQUES TECHNIQUES D ETUDE DE L ACTOMYOSINE PAR MICROSCOPIE ELECTRONIQUE (SOME TECHNIQUES FOR STUDYING ACTOMYOSIN BY ELECTRON MICROSCOPY),
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CHEMICAL EQUILIBRIUM OF MULTITEMPERATURE SYSTEMS,
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REPORT ON DEMOUNTABLE VACUUM SCANNER AND VACUUM SEALED CRYSTAL SPECIMENS FOR ELECTRONIC SCANNING,
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ANNUAL SUMMARY REPORT COVERING PERIOD APRIL 1, 1966 - DECEMBER 31, 1966,
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ELECTROTHERMAL ENGINE SYSTEMS SEMIANNUAL REPORT, DEC. 1965 - JUN. 1966.
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S- BAND LABORATORY TEST EQUIPMENT FINAL REPORT.
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TESTS OF THE CONSEQUENCES OF UNITARY SYMMETRY IN HADRON PRODUCTION REACTIONS,
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THE IMPROVEMENT OF ENCAPSULATING FOAMS AND QUALITY ASSURANCE OF POTTING PLASTIC.
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EMITTER
PROGRAM OF ANALYTICAL AND EXPERIMENTAL STUDY OF POROUS METAL IONIZERS, VOLUME I SUMMARY REPORT, 5 APR. 1965 - 5 MAY 1966.
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A JOB DEVELOPMENT PROGRAM IN THE HOME AND APARTMENT MAINTENANCE INDUSTRY, A BUSINESS OPPORTUNITY.
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ENCAPSULATION, EXPANDED PLASTICS
THE IMPROVEMENT OF ENCAPSULATING FOAMS AND QUALITY ASSURANCE OF POTTING PLASTIC.
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ENCODING
IMP D-E (AIMP) PFM ENCODING SYSTEM INTERFACE DOCUMENT.
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ENERGY CONVERSION
STUDY OF THIN DIELECTRIC FILMS FOR THERMO-DIELECTRIC ENERGY CONVERSION QUARTERLY REPORT, 1 MAR. - 31 MAY 1966.
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ENERGY LEVEL
VIRTUAL TRANSITIONS TO THE CONTINUUM IN O16.
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APOLLO SPACECRAFT CONTROL SYSTEMS.
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SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME IV FOR THE PERIOD AUGUST 1 TO SEPTEMBER 30, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
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SPACE PROGRAMS SUMMARY NO. 37-40, VOLUME IV FOR THE PERIOD JUNE 1 - JULY 31, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
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ENGINEERING GEOLOGY, ROCK(GEOLOGY)
ENGINEERING CLASSIFICATION AND INDEX PROPERTIES FOR INTACT ROCK.
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ENGLISH LANGUAGE, SYNTAX
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CBE FACTORS MONTHLY SURVEY NO. 12.
AD-646 899 15B U67 07 HC$ 3.00 MF$ 0.65

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ISOLATION AND PROPERTIES OF A RNA-DNA COMPLEX FROM ESCHERICHIA COLI CELLS.
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REGIONAL DISTRIBUTION IN OESOPHAGEAL TEMPERATURE AND ITS USE IN LOCALIZING MEDIASTINAL ORGANS AND MONITORING CENTRAL BLOOD TEMPERATURE.
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ETHERS, OXIDATION
AROMATIC OXIDATION BY ELECTRON TRANSFER. III. OXIDATION OF 1-AND 2-METHOXY-NAPHTHALENE BY MANGANIC ACETATE.
AD-646 362 7C U67 07

ETHYLENE OXIDE
EFFECTIVENESS OF DRY HEAT AND ETHYLENE GAS UPON SPORE CONTAMINATION LOCATED BETWEEN MATED SURFACES AND ON EXTERIOR SURFACES OF VARIOUS MATERIALS.
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EUROPIUM COMPOUNDS, PHASE STUDIES
CRYSTAL CHEMISTRY STUDIES.
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COMPETITIVE TRAPPING IN SODIUM DISILICATE GLASSES DOPED WITH EU(+3).
AD-646 433 20L U67 07

EXHAUST GASES, TOXICITY
APPROACH TO THE EVALUATION OF TOXIC HAZARDS FROM WEAPONS EXHAUST IN ARMED HELICOPTERS,
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EXHAUST NOZZLE
EXPERIMENTAL INVESTIGATION OF SECONDARY JETS FROM TWO-DIMENSIONAL NOZZLES WITH VARIOUS EXIT MACH NUMBERS FOR HYPERSONIC CONTROL APPLICATION.
N67-15664 1A S05 06 HC$ 3.00 MF$ 0.65

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THE IMPROVEMENT OF ENCAPSULATING FOAMS AND QUALITY ASSURANCE OF POTTING PLASTIC.
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EXPERIMENT DESIGN
MANNED SPACE-FLIGHT EXPERIMENTS, GEMINI IX MISSION INTERIM REPORT.
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A STUDY OF THE LUNAR ORBITER REGARDING ITS ADAPTABILITY TO SURFACE EXPERIMENTS UTILIZING A FLY-BY AND EARTH RETURN TRAJECTORY FINAL REPORT.
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REMARKS ON THE INTERPRETATION OF LUNIK 10 MAGNETOMETER RESULTS.
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THERMAL STRESSES IN A SEMI-INFINITE SOLID BY A FINITE DIFFERENCE TECHNIQUE.
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EXPLOSIVE
EXPLOSIVE SAFETY EXECUTIVE LECTURE SERIES FINAL REPORT.
N67-15981 13L S05 06 HC$ 3.00 MF$ 0.65

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STEADY-STATE CONDITIONS IN AN EXPLOSIVE WHICH IS SUBJECTED EXTERNALLY TO ELEVATED TEMPERATURES.
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EXTRATERRESTRIAL ENVIRONMENT
STUDY OF SPACE ENVIRONMENT FABRICATION AND REPAIR TECHNIQUES

FINAL TECHNICAL SUMMARY REPORT.
N67-15679 13H S05 06 HC$ 3.00 MF$ 0.65

EXTRATERRESTRIAL LIFE
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N67-15575 22A S05 06 HC$ 3.00 MF$ 0.65

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N67-15576 22A S05 06 HC$ 3.00 MF$ 0.65

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N67-15577 22A S05 06 HC$ 3.00 MF$ 0.65

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N67-15578 22A S05 06 HC$ 3.00 MF$ 0.65

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N67-15579 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME VI - TECHNICAL APPENDICES, PART 1 FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15580 22A S05 06 HC$ 3.00 MF$ 0.65

EXTRAVEHICULAR ACTIVITY, MOORING
EXTRAVEHICULAR SPACE ADHESIVE SYSTEM.
AD-645 659 22A U67 07 HC$ 3.00 MF$ 0.65

EXOTHERMIC SPACE BONDING SYSTEM.
AD-645 678 22A U67 07 HC$ 3.00 MF$ 0.65

EXTRAVEHICULAR OPERATION
MANNED SPACE-FLIGHT EXPERIMENTS, GEMINI IX MISSION INTERIM REPORT.
N67-15021 22A S05 06 HC$ 3.00 MF$ 0.65

EXTRUSION, PLASTIC COATINGS
MEASURING PERFORMANCE OF AN EIGHT-INCH CABLE SHEATHING EXTRUDER,
AD-645 524 13I U67 07 HC$ 3.00 MF$ 0.65

FACSIMILE EQUIPMENT, FIBER OPTICS
CONTINUOUS FACSIMILE SCANNER EMPLOYING FIBER OPTICS.
AD-645 854 17B U67 07 HC$ 3.00 MF$ 0.65

FAILURE
PROJECT DIODE RELIABILITY PREDICTION TECHNIQUE .
N67-15670 14D S05 06 HC$ 3.00 MF$ 0.65

FAILURE MODE
FAILURE RATE COMPUTATIONS BASED ON MARINER MARS 1964 SPACECRAFT DATA.
N67-15684 9A S05 06 HC$ 3.00 MF$ 0.65

FALLOUT SHELTERS, COSTS
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AD-645 847 13M U67 07 HC$ 3.00 MF$ 0.65

FAST ELECTRON
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FAST NEUTRONS, NUCLEAR POWER PLANTS
DETERMINATION OF FAST NEUTRON SPECTRA IN A HEAVY WATER REACTOR USING NUCLEAR EMULSIONS,
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FAST REACTORS, CONTROL RODS
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ANL-7158 18I N21 04 HC$ 3.00 MF$ 0.65

FAST REACTORS, FRANCE
CRITICAL STUDIES FOR THE FRENCH FAST REACTOR RAPSODIE (ZPR-3 ASSEMBLY 44),
ANL-7044 18M N21 04 HC$ 3.00 MF$ 0.65

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FEEDBACK FREQUENCY MODULATION (FBFM)
ADVANCED THRESHOLD REDUCTION TECHNIQUES STUDY.
N67-15668 9F S05 06 HC$ 3.00 MF$ 0.65

FERMIONS, QUANTUM STATISTICS
QUANTUM-MECHANICAL EXTENSION OF THE LEBOWITZ-PENROSE THEOREM ON THE VAN DER WAALS THEORY,
AD-645 407 20J U67 07

FERRITE
LAMINATED FERRITE MEMORY, PHASE II FINAL TECHNICAL REPORT, JUN. 1, 1965 - JUN. 30, 1966.
N67-15391 9B S05 06 HC$ 3.00 MF$ 0.65

FERROCENES, SYNTHESIS(CHEMISTRY)
SYNTHESIS ON THE BASIS OF ORGANIC DERIVATIVES OF MERCURY,
AD-645 374 7C U67 07 HC$ 3.00 MF$ 0.65

FERROMAGNETIC MATERIALS, NUCLEAR SPINS
ANOMALY IS SPIN-WAVE SPECTRUM OF MAGNETIC METALS.
AD-646 408 20C U67 07

FERROMAGNETIC MATERIALS, PHASE STUDIES
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AD-646 485 20C U67 07

FERROMAGNETIC MATERIALS, RARE EARTH COMPOUNDS
EXISTENCE ET STRUCTURE DES MONOCARBURES DE TERRES RARES ETUDE DE LEURS PROPRIETES MAGNETIQUES A BASSES TEMPERATURES (EXISTENCE AND STRUCTURE OF RARE-EARTH MONOCARBIDES STUDY OF THEIR LOW TEMPERATURE MAGNETIC PROPERTIES).
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FERROMAGNETIC MATERIALS, TRANSIENTS
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AD-646 776 20C U67 07

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AD-646 856 17B U67 07 HC$ 3.00 MF$ 0.65

FIBERS(SYNTHETIC), MECHANICAL PROPERTIES
BEHAVIOR OF NOTCHED FIBERS IN LONGITUDINAL TENSION.
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FIELD EFFECT TRANSISTORS, MICROSTRUCTURE
DIRECT MEASUREMENT OF THE DEPLETION LAYER WIDTH VARIATION VS APPLIED BIAS FOR A P-N JUNCTION,
AD-646 836 20L U67 07

FIELD THEORY
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N67-15430 6C S05 06 HC$ 3.00 MF$ 0.65

FIELD THEORY, DIFFERENTIAL EQUATIONS
THE REALIZATION OF PARTICLE-LIKE SOLUTIONS OF THE EINSTEIN EQUATIONS FOR A SCALER COMPLEX FIELD,
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FIELD THEORY, GRAVITY
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FIRE SAFETY, BIBLIOGRAPHIES
LIST OF LIBRARY ACCESSIONS.
AD-646 500 13L U67 07 HC$ 3.00 MF$ 0.65

FISHES, PEPTIDE HYDROLASES
PANCREATIC ENZYMES OF THE SPINY PACIFIC DOGFISH. II. PROCARBOXYPEPTIDASE B AND CARBOXYPEPTIDASE B.
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FLAMES, GAS IONIZATION
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PB-173 993 21B U67 07 HC$ 3.00 MF$ 0.65

FLAMES, HIGH-PRESSURE RESEARCH
MOLECULAR BEAM SAMPLING OF UNSTABLE SPECIES FROM HIGH PRESSURE SYSTEMS.
AD-646 935 7D U67 07 HC$ 3.00 MF$ 0.65

FLAMMABILITY, INHIBITION
EFFECT OF INORGANIC SALTS ON PYROLYSIS OF WOOD, ALPHA-CELLULOSE, AND LIGNIN DETERMINED BY DYNAMIC THERMOGRAVIMETRY.
AD-646 562 11L U67 07 HC$ 3.00 MF$ 0.65

FLARES, SYMPOSIA
MINUTES OF THE INTERSERVICE ILLUMINATING FLARE COORDINATION CONFERENCE,
AD-646 631 19A U67 07 HC$ 3.00 MF$ 0.65

FLAT PLATE
CORRELATION OF FREE-FLIGHT TURBULENT HEAT-TRANSFER DATA FROM AXISYMMETRIC BODIES WITH COMPRESSIBLE FLAT-PLATE RELATIONSHIPS.
N67-16691 20M S05 06 HC$ 3.00 MF$ 0.65

FLAT PLATE MODELS, FLUID FLOW
A THEORETICAL AND EXPERIMENTAL STUDY OF THE FLUID MOTION ABOUT A FLAT PLATE ROTATED IMPULSIVELY FROM REST TO A UNIFORM ANGULAR VELOCITY.
AD-646 834 20D U67 07 HC$ 3.00 MF$ 0.65

FLAW
DETERMINATION OF DEFECTS IN SILICON P-I-N DETECTORS OF NUCLEAR RADIATION.
N67-15843 18D S05 06 HC$ 3.00 MF$ 0.65

FLIGHT CHARACTERISTICS
WIND-TUNNEL INVESTIGATION OF THE FLIGHT CHARACTERISTICS OF A MODEL OF AN ASPECT- RATIO-6 CONICAL-PARAWING UTILITY VEHICLE.
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FLIGHT CONTROL SYSTEMS, DESIGN
ELEMENTS AND DRIVES OF POWER FOLLOW-UP SYSTEMS COLLECTION OF ARTICLES.
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A PARAMETER STUDY OF A CARBON DIOXIDE GAS LASER.
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STABILITAT UND VERZWEIGUNG STATIONARER LOSUNGEN DER NAVIER-STOKESCHEN GLEICHUNGEN BEIM TAYLORPROBLEM (STABILITY AND RAMIFICATIONS OF FIXED SOLUTIONS OF NAVIER-STOKES EQUATIONS FOR TAYLOR PROBLEMS),
AD-646 473 20D U67 07

FLUID FLOW, TURBINES
ON THE FORMULATION OF TWO DIMENSIONAL EDDY CURRENT PROBLEMS OF A COMPRESSIBLE LIQUID IN TURBOMACHINES,
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ADVANCED OXIDIZER CHEMISTRY.
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IMMUNOFLUORESCENCE, AN ANNOTATED BIBLIOGRAPHY, SUPPLEMENT AUTHOR AND SUBJECT INDEXES,
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HIGH PRESSURE AND DIELECTRIC INVESTIGATIONS OF THE ALKALINE EARTH FLUORIDES.
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ABSORPTION SPECTRA OF MNF2, KMNF3, RBMNF3, AND CSMNF3.
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FLUTTER, SUPERSONIC FLOW
FLUTTER PLATES SITUATED IN THE FIELD OF TEMPERATURE ACTION,
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MILITARY ASSISTANCE PROGRAMS,
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TIMBER RESOURCE DEVELOPMENT ON THE NORTHERN CHEYENNE INDIAN RESERVATION, A FEASIBILITY STUDY.
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COMPARISON OF CHEMICAL EXCHANGE RATES DETERMINED BY NMR LINE SHAPE AND EQUILIBRATION METHODS INTERNAL ROTATION OF N-METHYL-N-BENZYLFORMAMIDE,
AD-646 873 7D U67 07

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A COMPUTER PROGRAM FOR CALCULATING VELOCITIES AND STREAMLINES FOR TWO-DIMENSIONAL, INCOMPRESSIBLE FLOW IN AXIAL BLADE ROWS,
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FREQUENCY COMPRESSION DEMODULATOR
ADVANCED THRESHOLD REDUCTION TECHNIQUES STUDY.
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A SPACE COMMUNICATIONS STUDY FINAL REPORT, SEP. 15, 1965 - SEP. 15, 1966.
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BURNUP DETERMINATION OF NUCLEAR FUELS.
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STUDY OF ASBESTOS FOR ELECTROCHEMICAL CELLS FIRST SUMMARY REPORT,
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ADVANCED PRESSURIZATION SYSTEMS FOR CRYOGENIC PROPELLANTS FINAL REPORT, 28 NOV. 1963 - 25 JUN. 1965.
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DECOMPOSITION THEOREM FOR BOUNDED UNIFORMLY CONTINUOUS FUNCTIONS ON A GROUP,
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COMPARATIVE DECAY RESISTANCE OF HEARTWOOD OF NATIVE SPECIES.
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TELEMETRY RING ANTENNA,
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STABILITY OF SPIRAL MOTION,
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OSCILLATORY MAGNETO-ABSORPTION OF THE DIRECT TRANSITION IN THE LAYER COMPOUND GALLIUM SELENIDE AT 1.5 K. VOLUME III,
AD-645 481 20L U67 07

GALVANIC SKIN RESPONSE, CONDITIONED REFLEX
THE HUMAN ORIENTING REACTION AS A FUNCTION OF ELECTRODERMAL VERSUS PLETHYSMOGRAPHIC RESPONSE MODES AND SINGLE VERSUS ALTERNATING STIMULUS SERIES.
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DIGITIZED SPARK CHAMBER FOR SPACE SCIENCE EXPERIMENTS.
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RESEARCH INVESTIGATION IN TRANSIENT HIGH-POWER PHENOMENA AT MICROWAVE FREQUENCIES.
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GAS CHROMATOGRAPHY, FUELS
IDENTIFICATION AND CHARACTERIZATION OF PETROLEUM FUELS USING TEMPERATURE-PROGRAMMED GAS-LIQUID CHROMATOGRAPHY.
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A PARAMETER STUDY OF A CARBON DIOXIDE GAS LASER.
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ON THE STRUCTURE OF THE BBGKY HIERARCHY FOR A BOLTZMANN GAS,
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ADVANCEMENT OF SPUR GEAR DESIGN TECHNOLOGY.
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SURVEY OF PRESENT INFORMATION ON ELASTOWYDRODYNAMIC LUBRICATION OF GEARING.
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FULL PRESSURE SUIT HEAT BALANCE STUDIES.
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MANNED SPACE-FLIGHT EXPERIMENTS, GEMINI IX MISSION INTERIM REPORT,
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GEOLOGIC AGE DETERMINATION, UNITED STATES
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CREEP OF INTRINSIC AND GALLIUM-DOPED GERMANIUM,
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CONTAMINATION EXPOSURES OF COLUMBIUM AND TANTALUM ALLOY SPECIMENS FINAL REPORT, 25 FEB. 1965 - 15 JUN. 1966.
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GLASS TEXTILES, LAMINATED PLASTICS
FOREST PRODUCTS LABORATORY LIST OF PUBLICATIONS ON MODIFIED WOODS, PAPER-BASE LAMINATES, AND REINFORCED PLASTIC LAMINATES.
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COMPETITIVE TRAPPING IN SODIUM DISILICATE GLASSES DOPED WITH EU(+3).
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GOVERNMENT(FOREIGN), FOREIGN AID
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GRAPHICS, LINEAR PROGRAMMING
ALL SHORTEST ROUTES IN A GRAPH.
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DIALOG A CONVERSATIONAL PROGRAMMING SYSTEM WITH A GRAPHICAL ORIENTATION.
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HIGH TEMPERATURE RADIATION DAMAGE TO GRAPHITE, PART II. RADIATION DAMAGE IN GRAPHITE,
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GRAVITY, ELEMENTARY PARTICLES
INTERACTION OF ELEMENTARY PARTICLES WITH A GRAVITATIONAL FIELD IN THE GENERAL THEORY OF RELATIVITY AND IN GENERALIZED LINEAR THEORY OF GRAVITATION,
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GRAVITY, GEODESICS
GEOPHYSICAL INVESTIGATIONS, COLLECTION I,
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EFFECT OF GROUND BOARD BOUNDARY LAYER ON AIR CUSHION VEHICLE WIND TUNNEL TESTS.
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GROUP DYNAMICS, PERCEPTION(PSYCHOLOGY)
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GROUPS(MATHEMATICS), FUNCTIONS
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AD-644 842 12A U67 07

GUIDANCE AND CONTROL
SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME IV FOR THE PERIOD AUGUST 1 TO SEPTEMBER 30, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
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DISPLAY SIMULATOR FOR COLORED-IMAGE PRESENTATION,
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GUNS, SPRINGS
TORSION LEAF-SPRING PACKS.
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CURRENT DISTRIBUTION IN PERMEABLE ELECTRODES INFLUENCED BY THE HALL EFFECT IN THE FLOW OF AN ELECTRICALLY CONDUCTING MEDIUM.
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HALOMETHYL-METAL COMPOUNDS. VII. THE REACTION OF PHENYL(BROMODICHLOROMETHYL) MERCURY WITH CARBOXYLIC ACIDS.
AD-644 394 7C U67 07

HALOMETHYL-METAL COMPOUNDS. VI. PHENYL(DIHALOMETHYL) MERCURY COMPOUNDS THEIR PREPARATION AND SOME CLEAVAGE REACTIONS.
AD-644 416 7C U67 07

HALOGENATED HYDROCARBONS, VAPOR PRESSURE
THE VAPOR PRESSURE OF TETRAFLUOROMETHANE FROM 86-146K.
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THE D3/2 NEUTRON SCATTERING RESONANCE IN THE SHELL MODEL OF O16.
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DETECTOR INVESTIGATION FOR 8-15 AND 100-4000 MICRON REGIONS.
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INNER RADIATION BELT
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THE EFFECT OF CHLOROPHOS AND TEMPERATURE ON THE RESPIRATORY RHYTHM OF FLIES.
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WATER PESTICIDES NO. 1. STUDY NUMBER 24.
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BIOCHEMISTRY OF INSECT DEVELOPMENT, 1965-1966.
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TRAINING MANUAL FOR INSPECTORS AND TECHNICIANS.
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SPACE PROGRAMS SUMMARY NO. 37-42, VOLUME III FOR THE PERIOD SEPTEMBER 1, 1966 TO OCTOBER 31, 1966. DEEP SPACE NETWORK.
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UPPER AND LOWER BOUNDS FOR SOLUTIONS TO THE TRANSPORT EQUATION.
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AN INITIAL-VALUE METHOD SUITABLE FOR THE COMPUTATION OF CERTAIN FREDHOLM RESOLVENTS.
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INTEGRATED LOGIC NETS.
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RECOVERY PROCESSES AND ORDERING IN Ni3A1.
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OPTIMAL POLICY FOR A DYNAMIC MULTI-ECHELON INVENTORY MODEL.
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THE STATUS OF MATHEMATICAL INVENTORY THEORY.
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PROCESSING OF PLUTONIUM BY ION EXCHANGE. VIII. SELF-DIFFUSION STUDIES IN ANION-EXCHANGE RESIN.
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DEVELOPMENT OF A MASS SPECTROMETER SYSTEM SUMMARY TECHNICAL REPORT, 1 JUN. 1965 - 21 MAY 1966.
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ON THE CRITICAL EFFECT OF GEOMETRIC DIMENSIONS OF EXTRACTION SYSTEMS OF A HIGH FREQUENCY PROTON SOURCE ON THE CURRENT INTENSITY OF AN ION BEAM.
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CHEMICAL EQUILIBRIUM OF MULTITEMPERATURE SYSTEMS.
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ETUDE DES DETECTEURS A GAZ POUR NEUTRONS THERMIQUES FONCTIONNANT EN COLLECTION DE COURANT (GAS DETECTORS FOR THERMAL NEUTRON AT HIGH COUNTING RATES).
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A SURVEY OF IONIZATION VACUUM GAGES AND THEIR PERFORMANCE CHARACTERISTICS.
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CISLUNAR ELECTRON CONTENT AS DETERMINED BY RADAR GROUP DELAY MEASUREMENTS.
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THE IONOSPHERE AT 640 KILOMETERS ON QUIET AND DISTURBED DAYS.
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SOME CALCULATIONS OF IONOSPHERIC REFLECTION COEFFICIENTS FOR LOW FREQUENCY RADIO WAVES.
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SELECTION OF A VLF RECEIVING ANTENNA FOR THE BOLIVIAN SOLAR ECLIPSE SITE.
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EVALUATION OF THE CONSTANT MOMENTUM MASS SPECTROMETER FOR IONOSPHERIC INVESTIGATIONS.
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A MOSSBAUER EFFECT STUDY OF ELECTRONIC RELAXATION IN THE PARAMAGNETIC COMPOUND NH4(FE,AL)(SO4)2 . 12 H2O.
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CRYSTAL MORPHOLOGY AND MECHANISMS OF GROWTH OF ALPHA-FE2O3 WHISKERS ON IRON.
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IRON, BAND THEORY OF SOLIDS
QUARTERLY PROGRESS REPORT NO. 63 OF SOLID-STATE AND MOLECULAR THEORY GROUP.
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AN INVESTIGATION OF THE EFFECTS OF SOLUTE ELEMENTS ON THE MAGNETOELASTIC DAMPING AND COERCIVITY IN VERY PURE IRON.
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THE ROLE OF IRON IN THE COPPER-ZINC INTERRELATIONSHIP IN THE RAT.
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DEVELOPMENT OF METHOD TO IMPROVE THE QUALITY OF CONVENTIONAL MICHIGAN IRON ORES.
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AN EQUATION OF STATE FOR IRON ASSUMING AN INSTANTANEOUS PHASE CHANGE.
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IRRADIATED FOODS, DOSIMETERS
DOSIMETRY, TOLERANCE, AND SHELF LIFE EXTENSION RELATED TO DISINFESTATION OF FRUITS AND VEGETABLES BY GAMMA IRRADIATION.
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IRRADIATION PRESERVATION OF FRESH-WATER FISH AND INLAND FRUITS AND VEGETABLES.
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EFFECT OF IRRADIATION ON THE MICROBIAL FLORA SURVIVING IRRADIATION PASTEURIZATION OF SEAFOODS.
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IRRADIATED FOODS, STORAGE
RADIATION TECHNOLOGY IN CONJUNCTION WITH POSTHARVEST PROCEDURES AS A MEANS OF EXTENDING THE SHELF LIFE OF FRUITS AND VEGETABLES.
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ISOLATION AND PROPERTIES OF A RNA-DNA COMPLEX FROM ESCHERICHIA COLI CELLS.
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ISOTHERMAL FLOW
RESEARCH INTO FUNDAMENTAL PHENOMENA ASSOCIATED WITH SPACECRAFT ELECTROCHEMICAL DEVICES--CALORIMETRY OF NICKEL-CADMIUM CELL PROGRESS REPORT, JAN. 1 - SEP. 30, 1966.
N67-14609 10C S05 06 HC$ 3.00 MF$ 0.65

JAPANESE B ENCEPHALITIS VIRUS, VACCINES
JOURNAL OF MICROBIOLOGY, VOLUME X, NO. 1, 1964 SELECTED ARTICLES.
AD-646 585 6M U67 07 HC$ 3.00 MF$ 0.65

JET ENGINE FUELS, THERMAL STABILITY
THERMAL STABILITY OF TEN JP-6 FUELS AFTER 1-YEAR STORAGE.
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JET FLOW
CALCULATION OF A JET AXIS IN A DRIFTING FLOW.
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JET PROPULSION, WATER
COMPARISON OF THREE THEORIES OF WATER-JET PROPULSION.
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A CONTRIBUTION TO THE THEORY OF JET-WAKES AND VORTICES IN FREE AND CONFINED SURROUNDINGS.
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A 56-MOMENT SYSTEM OF DIFFERENTIAL KINETIC EQUATIONS.
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ON THE STRUCTURE OF THE BBGKY HIERARCHY FOR A BOLTZMANN GAS.
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KRYPTON, LUMINESCENCE
SENSITIZED LUMINESCENCE IN IRRADIATED NOBLE GAS SYSTEMS.
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LABORATORIES, PORTABLE
PORTABLE INSTRUMENTATION LABORATORY (PORT-A-LAB).
AD-646 714 14B U67 07 HC$ 3.00 MF$ 0.65

LABORATORIES, SCIENTIFIC RESEARCH
R AND D CLEAN OR PRODUCTION CLEAN.
AD-646 734 14B U67 07 HC$ 3.00 MF$ 0.65

LAMINAR BOUNDARY LAYER, FLUID DYNAMIC PROPERTIES
GESTALTSAUSSAGEN UBER DISSOZIIERTE UND ANDERE CHEMISCH REAGIERENDE ZWEISTOFFGRENZSCHICHTEN (CONCEPTS CONCERNING DISSOCIATING AND OTHER CHEMICILLY REACTING BINARY BOUNDARY LAYERS).

AD-645 474 20D U67 07

LAMINAR BOUNDARY LAYER, IGNITION
IGNITION OF A STOICHIOMETRIC MIXTURE IN A LAMINAR SUPERSONIC BOUNDARY LAYER OF A FLAT PLATE.
AD-645 426 21B U67 07 HC$ 3.00 MF$ 0.65

LAMINAR BOUNDARY LAYER, PROBES
STANTON TUBE CALIBRATION IN A LAMINAR BOUNDARY LAYER AT MACH 6.
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LAMINAR BOUNDARY LAYER, STABILITY
EFFECTS OF FOREIGN GAS INJECTION ON LAMINAR BOUNDARY LAYER STABILITY AT LOW MACH NUMBERS.
AD-645 747 20D U67 07 HC$ 3.00 MF$ 0.65

LAMINATED MATERIAL
LAMINATED FERRITE MEMORY, PHASE II FINAL TECHNICAL REPORT, JUN. 1, 1965 - JUN. 30, 1966.
N67-13391 9B S05 06 HC$ 3.00 MF$ 0.65

LAMINATED PLASTICS, REINFORCING MATERIALS
FOREST PRODUCTS LABORATORY LIST OF PUBLICATIONS ON MODIFIED WOODS, PAPER-BASE LAMINATES, AND REINFORCED PLASTIC LAMINATES.
AD-645 578 11I U67 07 HC$ 3.00 MF$ 0.65

LAND MINES, MINELAYING
A RAPID TACTICAL MINE-PLANTING SYSTEM HOW FORCE LEVEL AFFECTS LEVER-THROWING TIME.
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EFFECT OF LANDING-LIGHT BACKSCATTER ON TARGET VISIBILITY IN FOG.
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LASERS, AIRBORNE
SURFACE EVALUATION AND DEFINITION (SUEDE) PROGRAM.
AD-645 828 8C U67 07 HC$ 3.00 MF$ 0.65

LASERS, CHELATE COMPOUNDS
FOREIGN SCIENCE BULLETIN VOL. 3, NO. 1, 1967.
AD-645 634 5A U67 07 HC$ 3.00 MF$ 0.65

LASERS, DEFLECTION
ELECTRO-OPTIC DEFLECTION WITH BATIO3 PRISMS.
AD-645 837 20F U67 07

LASERS, OSCILLATION
A PROPOSED TWISTED-MODE TECHNIQUE FOR OBTAINING SINGLE-AXIAL MODE OSCILLATION IN A RUBY LASER.
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LASERS, POWER
EFFECTS OF POWER DENSITY ON CHARACTERISTICS OF LASER BEAM INTERACTION WITH SOLID MATERIALS.
AD-645 739 20F U67 07 HC$ 3.00 MF$ 0.65

LASERS, RAMAN SPECTROSCOPY
RAMAN LASERS USING SECONDARY RAMAN LINES.
AD-645 832 20E U67 07

LASERS, SIGNAL-TO-NOISE RATIO
NOISE CONSIDERATION FOR THE DETECTION OF WEAK LASER SIGNALS.
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LASERS, VIEWING SCREENS
SELECTIVE ACCESS LASER DISPLAY BEAM POSITIONER.
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LAUNCH VEHICLE CONFIGURATION
EFFECTS OF CONFIGURATION GEOMETRY ON THE SUPERSONIC AERODYNAMIC CHARACTERISTICS OF A SIMULATED LAUNCH VEHICLE.
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LAUNCHING SITES, ABSTRACTS
PROTECTIVE STRUCTURES AND COMPONENTS COMPILATION OF ABSTRACTS.
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LAW, ATLANTIC OCEAN ISLANDS
FALKLAND ISLANDS.
PB-174 068 5D U67 07 HC$ 3.00 MF$ 0.65

LAW, BERMUDA
BERMUDA.
PB-174 065 5D U67 07 HC$ 3.00 MF$ 0.65

LAW, GREAT BRITAIN
GIBRALTAR.
PB-174 067 5D U67 07 HC$ 3.00 MF$ 0.65

LAW, TRANSPORTATION
TRANSIMVILLE APPLICATION OF TRANSIM TO ANALYSIS OF THE EFFECTS OF MUNICIPAL REGULATIONS ON MOTOR CARRIER OPERATIONS.
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LEADERSHIP, PERCEPTION(PSYCHOLOGY)
PERCEPTION OF LEADERSHIP IN SMALL GROUPS.
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LEADERSHIP, TRAINING
AUTOMATION OF A PORTION OF NCO LEADERSHIP PREPARATION TRAINING.
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LEAKAGE
BASIC CRITERIA AND DEFINITIONS FOR ZERO FLUID LEAKAGE.
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LEARNING, NUCLEIC ACIDS
MOLECULAR NEUROCHEMISTRY OF THE HIPPOCAMPUS AND OTHER BRAIN SITES DURING CONDITIONED AVOIDANCE BEHAVIOR.
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LEARNING, PERFORMANCE(HUMAN)
A FREQUENCY THEORY OF VERBAL-DISCRIMINATION LEARNING.
AD-646 705 5J U67 07

PURSUIT ROTOR PERFORMANCE II. EFFECTS OF REINFORCING SUCCESSIVELY LONGER INTERVALS OF CONTINUOUS TRACKING OVER PRACTICE SESSIONS.
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LEARNING, RECALL
AN ANALYSIS OF SOME SHORTCOMINGS IN THE INTERFERENCE THEORY OF FORGETTING.
AD-646 706 5J U67 07

LEAST SQUARES METHOD, CURVE FITTING
LEAST SQUARES CURVE FITTING BY COMPUTER A LEAST SQUARES ITERATIVE TECHNIQUE IS DEVELOPED TO SOLVE MULTIPLE LINEAR REGRESSION PROBLEMS FOR N-DIMENSIONAL CURVE FITTING BY USE OF FORTRAN IV SUBROUTINES.
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LEAST SQUARES METHOD, GEOPHYSICS
AN APPLICATION OF METHODS OF FUNCTION MINIMISATION TO A PROBLEM OF NON-LINEAR CURVE FITTING ARISING IN THE ESTIMATION OF GEOPHYSICAL CONSTANTS FROM SATELLITE OBSERVATIONS.
AD-646 640 8E U67 07 HC$ 3.00 MF$ 0.65

LEPIDOPTERA, GROWTH
AIR ION EFFECTS ON THE GROWTH OF THE SILKWORM (BOMBYX MORI L.).
AD-646 704 6C U67 07

LEVARTERENOL, HEAT PRODUCTION(BIOLOGY)
CATECHOLAMINES, HYPOXIA AND THE METABOLIC RESPONSE TO COLD IN NEWBORN RABBITS.
AD-646 698 6S U67 07

LIAPUNOV FUNCTION
STABILITY OF SYSTEMS WITH DELAY.
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LYAPUNOV FUNCTIONS FOR A CLASS OF NTH ORDER NONLINEAR DIFFERENTIAL EQUATIONS.
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LIBRARIES, AUTOMATION
REPORT ON A LIBRARY AUTOMATION PROJECT.
PB-173 995 5B U67 07 HC$ 3.00 MF$ 0.65

LIFE DETECTOR
A STUDY TOWARD DEVELOPMENT OF AN AUTOMATED MICROBIAL METABOLISM LABORATORY MONTHLY PROGRESS REPORT.
N67-16503 6M S05 06 HC$ 3.00 MF$ 0.65

LIFE SUPPORT, OXYGEN
FINAL REPORT, 1 JULY 1961-1 JULY 1966.
AD-646 556 6T U67 07 HC$ 3.00 MF$ 0.65

LIFE SUPPORT, TEMPERATURE CONTROL
TEMPERATURE CONTROL OF THE ORBITAL OTOLITH EXPERIMENT.
AD-646 921 6K U67 07 HC$ 3.00 MF$ 0.65

LIFTING BODY
PERFORMANCE OF THREE ABLATION MATERIALS DURING SIMULATION OF LONG-DURATION AFTERBODY HEATING.
N67-16677 11D S05 06 HC$ 3.00 MF$ 0.65

LIFT-DRAG RATIO
MAXIMUM LIFT-TO-DRAG RATIO OF A SLENDER, FLAT-TOP, HYPERSONIC BODY.
N67-15384 1A S05 06 HC$ 3.00 MF$ 0.65

LIGHT GAS GUNS, HYPERVELOCITY GUNS
THE AIR FORCE MATERIALS LABORATORY HYPERVELOCITY BALLISTIC RANGE.
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LIGHT HOMING, HOMING DEVICES
EXPERIMENTAL DETERMINATION OF THE SUITABILITY OF PULSED LIGHT SYSTEMS FOR SEMIACTIVE HOMING AGAINST TANKS.
AD-646 644 17G U67 07 HC$ 3.00 MF$ 0.65

LIGHT WATER REACTORS, COMPUTER PROGRAMS
CODE FLID (DEP 851). PROGRAMME NUMERIQUE ANALYSANT EN DEUX DIMENSIONS LE COMPORTEMENT THERMODYNAMIQUE D UN LIQUIDE BOUILLANT (FLID (DEP 851). A CODE FOR THE TWO DIMENSIONAL ANALYSIS OF THE THERMODYNAMIC BEHAVIOUR OF A BOILING LIQUID).
PB-174 039 18I U67 07 HC$ 3.00 MF$ 0.65

LIGHTING EQUIPMENT, CHEMILUMINESCENCE
CHEMILUMINESCENT MATERIALS.
AD-646 641 7E U67 07 HC$ 3.00 MF$ 0.65

LIGHT, RAYLEIGH SCATTERING
THE TRANSFORMATION OF A BEAM DURING INTERACTION OF LIGHT WITH A SUBSTANCE.
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LIGHT, SCATTERING
LIGHT SCATTERING BY LIQUIDS AND MOLECULAR SOLIDS.
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LIGNIN, PYROLYSIS
EFFECT OF INORGANIC SALTS ON PYROLYSIS OF WOOD, ALPHA-CELLULOSE, AND LIGNIN DETERMINED BY DYNAMIC THERMOGRAVIMETRY.
AD-646 562 11L U67 07 MC$ 3.00 MF$ 0.65

LINEAR ACCELERATORS, PERTURBATION THEORY
RF PERTURBATION MEASUREMENTS IN LONG LINAC CAVITIES, FROM LINEAR ACCELERATOR CONFERENCE, LOS ALAMOS, N. MEX.
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LINEAR PROGRAMMING, GRAPHICS
ALL SHORTEST ROUTES IN A GRAPH.
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ALL SHORTEST ROUTES FROM A FIXED ORIGIN IN A GRAPH.
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FINDING A CYCLE IN A GRAPH WITH MINIMUM COST TO TIME RATIO WITH APPLICATION TO A SHIP ROUTING PROBLEM.
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LINEAR PROGRAMMING, MANAGEMENT PLANNING
LP II - A GOAL PROGRAMMING MODEL FOR MEDIA PLANNING.
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LINEAR SYSTEM
STABILITY OF SYSTEMS WITH DELAY.
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LINGUISTICS, MODELS(SIMULATIONS)
STEPS TOWARD A MODEL OF LINGUISTIC PERFORMANCE - A PRELIMINARY SKETCH.
AD-645 598 5G U67 07 MC$ 3.00 MF$ 0.65

LIQUEFIED GASES, BIBLIOGRAPHIES
A BIBLIOGRAPHY OF REFERENCES FOR THE THERMOPHYSICAL PROPERTIES OF HELIUM-4, HYDROGEN, DEUTERIUM, HYDROGEN DEUTERIDE, NEON, ARGON, NITROGEN, OXYGEN, CARBON DIOXIDE, METHANE, ETHANE, KRYPTON, AND REFRIGERANTS 13, 14, AND 23.
AD-467 519 20M U67 07 MC$ 3.00 MF$ 0.65

LIQUEFIED GASES, PHYSICAL PROPERTIES
PROPERTIES OF LIQUID HYDROGEN (PROPRIETES DE L HYDROGENE LIQUIDE),
PB-174 026 20M U67 07 MC$ 3.00 MF$ 0.65

LIQUEFIED GASES, TEMPERATURE
DENSITY-TEMPERATURE FORMULAE FOR COEXISTING LIQUID AND VAPOR AND FOR FREEZING LIQUID PARAHYDROGEN,
PB-174 027 20M U67 07 MC$ 3.00 MF$ 0.65

LIQUID COOLING
COOLDOWN OF CRYOGENIC TRANSFER LINES AN EXPERIMENTAL REPORT.
N67-16620 20M S05 06 MC$ 3.00 MF$ 0.65

LIQUID FLOW
IMPROVED FLUID DYNAMICS SIMILARITY, ANALYSIS AND VERIFICATION ANNUAL REPORT, 29 JUN. 1965 - 28 JUN. 1966.
N67-15523 20D S05 06 MC$ 3.00 MF$ 0.65

BASIC CRITERIA AND DEFINITIONS FOR ZERO FLUID LEAKAGE.
N67-15681 20D S05 06 MC$ 3.00 MF$ 0.65

LIQUID HYDROGEN
SLUSH HYDROGEN PRODUCTION, STORAGE, AND DISTRIBUTION STUDY PROGRAM FINAL REPORT, 4 NOV. 1965 - 29 APR. 1966.
N67-15455 21I S05 06 MC$ 3.00 MF$ 0.65

LIQUID LEVEL GAGES, CRYOGENICS
AN IMPROVED CRYOGENIC LIQUID-LEVEL SENSOR.
ANL-7243 18D N21 04 MC$ 3.00 MF$ 0.65

LIQUID METALS, PLUTONIUM
THE SOLUBILITIES OF SELECTED ELEMENTS IN LIQUID PLUTONIUM. IX. VANADIUM,
LA-3594 7B N21 04 MC$ 3.00 MF$ 0.65

LIQUID POTASSIUM
COMPUTER CODES FOR THERMAL DESIGN OF POTASSIUM BOILERS AND CONDENSERS.
N67-15570 20M S05 06 MC$ 3.00 MF$ 0.65

CAVITATION DAMAGE IN LIQUID METALS (POTASSIUM STUDIES) TECHNICAL PROGRESS REPORT, 1 AUG. - 31 OCT. 1966.
N67-15606 11F S05 06 MC$ 3.00 MF$ 0.65

LIQUID ROCKET FUELS, REVIEWS
FUELS FOR ROCKET ENGINES (CHAPTER V),
AD-645 421 21I U67 07 MC$ 3.00 MF$ 0.65

LIQUIDS, DIELECTRIC PROPERTIES
METHOD FOR EXTENSION OF DIELECTRIC CONSTANT AND LOSS MEASUREMENTS OF LIQUIDS TO 100 MHZ WITH A FIXED-GEOMETRY SAMPLE HOLDER,
AD-645 653 9C U67 07 MC$ 3.00 MF$ 0.65

LIQUIDS, EQUATIONS OF MOTION
SMALL MOTIONS SUPERPOSED ON LARGE STATIC DEFORMATIONS IN POROUS MEDIA.
AD-645 918 20K U67 07 MC$ 3.00 MF$ 0.65

LIQUIDS, LIGHT TRANSMISSION
LIGHT SCATTERING BY LIQUIDS AND MOLECULAR SOLIDS,
AD-646 515 20F U67 07 MC$ 3.00 MF$ 0.65

LIQUIDS, SURFACE TENSION
CRITICAL SURFACE TENSION FOR SPREADING ON A LIQUID SUBSTRATE.
AD-646 869 7D U67 07 MC$ 3.00 MF$ 0.65

LITHIUM, ALPHA PARTICLE REACTIONS
LEVELS IN 11B FROM 7LI(ALPHA,ALPHA)7LI AND 7LI(ALPHA,ALPHA)7LI*(0.48),
AD-646 789 20M U67 07

LITHIUM, ION BOMBARDMENT
MAGNETIC ANALYSIS OF THE LI6(HE3,T)BE6 REACTION.
AD-646 785 20M U67 07

LITHOSPHERE, SEISMOLOGY
GEOSCIENCES AND TECHNOLOGY BULLETIN, VOL. 1, NO. 3, 1966.
AD-646 738 17J U67 07 MC$ 3.00 MF$ 0.65

GEOSCIENCES AND TECHNOLOGY BULLETIN, VOL. 1, NO. 2, 1966.
AD-646 746 17J U67 07 MC$ 3.00 MF$ 0.65

LIVER, MORPHOLOGY(BIOLOGY)
INDUCTION AND REGRESSION OF BIOCHEMICAL AND MORPHOLOGIC CHANGES INDUCED BY DIETARY LITHOCHOLIC ACID IN CHICKENS,
AD-646 688 6P U67 07

LOADING
A COMPARISON BETWEEN THE VARIATIONAL SOLUTION AND THE EXPERIMENTAL DATA.
N67-15899 9F S05 06 MC$ 3.00 MF$ 0.65

LOADING(MECHANICS), CERAMIC MATERIALS
2929MC - STRENGTH OF STRUCTURAL CERAMICS UNDER IMPACT LOADING.
AD-646 879 11R U67 07 MC$ 3.00 MF$ 0.65

LOADING(MECHANICS), ELASTIC SHELLS
INFLUENCE COEFFICIENTS FOR SEMI-INFINITE AND INFINITE CIRCULAR CYLINDRICAL ELASTIC SHELLS,
AD-646 693 13M U67 07

LOADING(MECHANICS), TEST EQUIPMENT
DEVELOPMENT OF EQUIPMENT AND TECHNIQUES FOR COMPLEX FATIGUE LOADING.
AD-646 647 20K U67 07 MC$ 3.00 MF$ 0.65

LOCOMOTIVES, CRYOPUMPING
A FEASIBILITY STUDY OF THE CRYOPUMPED TUBE TRAIN CONCEPT,
PB-173 982 13F U67 07 MC$ 3.00 MF$ 0.65

LOGISTICS, AIR FORCE OPERATIONS
THE BASE MAINTENANCE-OPERATIONS MODEL USED IN RAND LOGISTICS RESEARCH.
AD-220 805 15E U67 07 MC$ 3.00

LOOP ANTENNAS, VERY LOW FREQUENCY
SELECTION OF A VLF RECEIVING ANTENNA FOR THE BOLIVIAN SOLAR ECLIPSE SITE.
AD-646 629 9E U67 07 MC$ 3.00 MF$ 0.65

LORENTZ TRANSFORMATION
LECTURES ON RELATIVITY THEORY.
N67-16519 20J S05 06 MC$ 3.00 MF$ 0.65

LOW FREQUENCY, PHOTOGRAPHIC EQUIPMENT
DEVICE FOR LOW-FREQUENCY PHOTOGRAPHY,
AD-646 378 14E U67 07 MC$ 3.00 MF$ 0.65

LOW, BAHAMA ISLANDS
BAHAMA ISLANDS.
PB-174 866 5D U67 07 MC$ 3.00 MF$ 0.65

LUBRICANT
THE EFFECT OF THE SPACE ENVIRONMENT ON LUBRICANTS AND ROLLING ELEMENT BEARINGS.
N67-16048 13I S05 06 MC$ 3.00 MF$ 0.65

EVALUATION OF HIGH-TEMPERATURE BEARING CAGE MATERIALS.
N67-16693 13I S05 06 MC$ 3.00 MF$ 0.65

LUBRICATION, HYDRODYNAMICS
SURVEY OF PRESENT INFORMATION ON ELASTOHYDRODYNAMIC LUBRICATION OF GEARING.
AD-646 896 11H U67 07 MC$ 3.00 MF$ 0.65

LUBRICATION, MAGNETOHYDRODYNAMICS
MAGNETOHYDRODYNAMIC LUBRICATION FLOW BETWEEN PARALLEL PLATES,
AD-646 806 11H U67 07

LUMINESCENCE, CARBON MONOXIDE
IR DETECTOR TEMPERATURE REGULATOR FOR CO VIBRALUMINESCENCE STUDIES.
AD-646 429 20F U67 07 MC$ 3.00 MF$ 0.65

LUMINESCENCE, HELIUM GROUP GASES
SENSITIZED LUMINESCENCE IN IRRADIATED NOBLE GAS SYSTEMS.
AD-646 604 7F U67 07 MC$ 3.00 MF$ 0.65

LUMINESCENCE, RARE EARTH ELEMENTS
POLISH TRANSACTIONS IN PHYSICS, VOL. 26, NO. 3 AND 4, 1964 SELECTED ARTICLES,
AD-646 452 20L U67 07 MC$ 3.00 MF$ 0.65

LUNAR MARE
COMMUNICATIONS OF THE LUNAR AND PLANETARY LABORATORY, NOS. 58-59.
N67-15400 3A S05 06 MC$ 3.00 MF$ 0.65

LUNAR ORBITER
A STUDY OF THE LUNAR ORBITER REGARDING ITS ADAPTABILITY TO SURFACE EXPERIMENTS UTILIZING A FLY-BY AND EARTH RETURN TRAJECTORY FINAL REPORT.
N67-16603 22C S05 06 MC$ 3.00 MF$ 0.65

LUNAR PROBE

REMARKS ON THE INTEPPRETATION OF LUNIK 10 MAGNETOMETER RESULTS.
N67-15551 22A S05 06 HC$ 3.00 MF$ 0.65

LUNAR SATELLITE
INFLUENCE OF DATA TYPE AND RATE ON SHORT ARC LUNAR ORBIT DETERMINATION.
N67-15573 22C S05 06 HC$ 3.00 MF$ 0.65

REVIEW OF A DSIF DATA TAKING AND ORBIT DETERMINATION METHOD.
N67-15574 22C S05 06 HC$ 3.00 MF$ 0.65

LUNAR SOIL
DEVELOPMENT OF TECHNOLOGICAL CONCEPTS LEADING TO THE BENEFICIAL USE OF LUNAR MAGMA PRODUCTS TECHNICAL PROGRESS REPORT, OCT. - DEC. 1966.
N67-15619 3B S05 06 HC$ 3.00 MF$ 0.65

LUNAR SURFACE
A STUDY OF THE LUNAR ORBITER REGARDING ITS ADAPTABILITY TO SURFACE EXPERIMENTS UTILIZING A FLY-BY AND EARTH RETURN TRAJECTORY FINAL REPORT.
N67-15603 22C S05 06 HC$ 3.00 MF$ 0.65

LYMPHATIC SYSTEM, RADIATION EFFECTS
ACUTE ULTRASTRUCTURAL EFFECTS OF 500 ROENTGENS ON THE LYMPH NODE OF THE MOUSE.
AD-646 683 6R U67 07

MACHINE TOOLS, DESIGN
ABSTRACT OF BEARING DEVELOPMENTS AND DATA ON SPINDLES.
RFP-734 13I N21 04 HC$ 3.00 MF$ 0.65

MACHINE TOOLS, HEATING
DETERMINATION OF THE PATTERN OF ISOTHERMS IN A METAL CUTTING TOOL USING INFRA RED PHOTOGRAPHY.
AD-645 811 13I U67 07

MACHINES, ACCEPTABILITY
THE ROLE OF TRIAL IN THE ACCEPTANCE AND ADOPTION OF NEW EQUIPMENT A REVIEW AND SUMMARY.
AD-645 360 5J U67 07 HC$ 3.00 MF$ 0.65

MAGMA
DEVELOPMENT OF TECHNOLOGICAL CONCEPTS LEADING TO THE BENEFICIAL USE OF LUNAR MAGMA PRODUCTS TECHNICAL PROGRESS REPORT, OCT. - DEC. 1966.
N67-15619 3B S05 06 HC$ 3.00 MF$ 0.65

MAGNESIUM OXIDES, PARAMAGNETIC RESONANCE
PARAMAGNETIC RESONANCE OF CU(++) MGO AT 1.2K.
AD-645 412 20L U67 07

MAGNETIC FIELDS, BIOCHEMISTRY
ELECTROMAGNETIC RADIATION CHEMISTRY.
AD-645 645 7E U67 07 HC$ 3.00 MF$ 0.65

MAGNETIC FIELDS, STABILIZATION
STABILIZATION OF A MAGNETIC FIELD BASED ON NUCLEAR RESONANCE.
AD-645 454 20C U67 07 HC$ 3.00 MF$ 0.65

MAGNETIC FIELDS, SUPERCONDUCTORS
ON THE BULK (H SUB C2) AND SURFACE (H SUB C3) NUCLEATION FIELDS OF STRONG COUPLING SUPERCONDUCTING ALLOYS.
AD-645 989 20C U67 07 HC$ 3.00 MF$ 0.65

MAGNETIC MATERIALS, ACOUSTIC PROPERTIES
GEOMETRICAL ACOUSTICS IN MAGNETIC MATERIALS.
AD-645 799 20A U67 07

MAGNETIC RECORDING SYSTEMS, MODULATION
A PERIOD MODULATED CARRIER TECHNIQUE FOR DATA RECORDINGS.
AD-645 824 14C U67 07

MAGNETIC RESONANCE, DYSPROSIUM
MICROWAVE ABSORPTION SPECTRUM OF MAGNETICALLY ORDERED DYSPROSIUM METAL.
AD-645 572 20H U67 07 HC$ 3.00 MF$ 0.65

MAGNETIC STORM
THE BEHAVIOR OF PARTICLES OF RADIATION BELTS DURING MAGNETIC STORMS.
N67-15508 4A S05 06 HC$ 3.00 MF$ 0.65

MAGNETIC STORMS, ANTARCTIC REGIONS
SOME GEOMAGNETIC AND IONOSPHERIC EFFECTS IN ANTARCTICA PRIOR TO STORM SUDDEN COMMENCEMENTS.
PB-173 998 4A U67 07 HC$ 3.00 MF$ 0.65

MAGNETITE, POROSITY
SHOCK COMPRESSION OF POROUS MAGNETITE.
SC-RR-66-547 8G U67 07 HC$ 3.00 MF$ 0.65

MAGNETOHYDRODYNAMICS, BOUNDARY LAYER
THE FLAT-PLATE MAGNETOHYDRODYNAMIC BOUNDARY LAYER IN A TRANSVERSE MAGNETIC FIELD.
AD-645 773 20I U67 07 HC$ 3.00 MF$ 0.65

MAGNETOHYDRODYNAMICS, ELECTRIC ARCS
INVESTIGATION OF ELECTRIC ARC INTERACTION WITH AERODYNAMIC AND MAGNETIC FIELDS.
AD-645 589 20I U67 07 HC$ 3.00 MF$ 0.65

MAGNETOHYDRODYNAMICS, LUBRICATION
MAGNETOHYDRODYNAMIC LUBRICATION FLOW BETWEEN PARALLEL PLATES.
AD-645 805 11H U67 07

MAGNETOHYDRODYNAMICS, REVIEWS
SURVEY OF INVESTIGATIONS OF ELECTRIC ARC INTERACTIONS WITH MAGNETIC AND AERODYNAMIC FIELDS.
AD-646 752 20C U67 07 HC$ 3.00 MF$ 0.65

MAGNETOHYDRODYNAMICS, TRAVELING-WAVE ELECTRON ACCELERATORS
ONE-DIMENSIONAL ANALYSIS OF A TRAVELLING WAVE ACCELERATOR.
AD-646 778 20G U67 07 HC$ 3.00 MF$ 0.65

MAGNETRON
STUDY OF HOT-CATHODE MAGNETRON ION GAUGE.
N67-15670 14B S05 06 HC$ 3.00 MF$ 0.65

DEVELOPMENT OF A MASS SPECTROMETER SYSTEM SUMMARY TECHNICAL REPORT, 1 JUN. 1965 - 21 MAY 1966.
N67-15673 14B S05 06 HC$ 3.00 MF$ 0.65

MAINTENANCE PERSONNEL, EMPLOYMENT
A JOB DEVELOPMENT PROGRAM IN THE HOME AND APARTMENT MAINTENANCE INDUSTRY, A BUSINESS OPPORTUNITY.
PB-174 056 5I U67 07 HC$ 3.00 MF$ 0.65

MAINTENANCE, AIRCRAFT
RANDOM VARIATIONS AND SAMPLING MODELS IN PRODUCTION ECONOMICS.
AD-646 720 5C U67 07 HC$ 3.00 MF$ 0.65

MANAGEMENT CONTROL SYSTEMS, RADIOLOGICAL CONTAMINATION
EVALUATION OF STATE PROGRAMS FOR RADIATION CONTROL.
PB-174 050 6R U67 07 HC$ 3.00 MF$ 0.65

MANAGEMENT CONTROL SYSTEMS, SYSTEMS ENGINEERING
INCEPTION, DESIGN AND IMPLEMENTATION OF A MANAGEMENT INFORMATION SYSTEM.
AD-646 851 5A U67 07 HC$ 3.00 MF$ 0.65

MANAGEMENT PLANNING
EXPLOSIVE SAFETY EXECUTIVE LECTURE SERIES FINAL REPORT.
N67-15981 13L S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME IV - PROGRAM PLAN FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-16578 22A S05 06 HC$ 3.00 MF$ 0.65

MANAGEMENT PLANNING, MATHEMATICAL MODELS
LP II A GOAL PROGRAMMING MODEL FOR MEDIA PLANNING.
AD-646 918 5A U67 07 HC$ 3.00 MF$ 0.65

MANAGEMENT PLANNING, NAVAL RESEARCH
PROGRAM PLANNING FOR RESEARCH AND DEVELOPMENT IN THE NAVY.
AD-646 497 5A U67 07 HC$ 3.00 MF$ 0.65

MANGANESE COMPOUNDS, NUCLEAR MAGNETIC RESONANCE
PROTON AND CHLORINE NUCLEAR MAGNETIC RESONANCE IN ANTIFERROMAGNETIC MNCL2.4H2O.
AD-646 399 20L U67 07

MANGANESE COMPOUNDS, SPECTRA(VISIBLE + ULTRAVIOLET)
ABSORPTION SPECTRA OF MNF2, KMNF3, RBMNF3, AND CSMNF3.
AD-646 821 20F U67 07

MANNED SPACE FLIGHT
FUNCTIONAL REQUIREMENTS FOR SPACEBORNE COMPUTERS ON ADVANCED MANNED MISSIONS.
N67-15882 9B S05 06 HC$ 3.00 MF$ 0.65

MANNED SPACECRAFT, DOSIMETERS
PROGRAM 631A. VOLUME VI. EXPERIMENT D 8 RADIATION IN SPACECRAFT.
AD-646 555 22A U67 07 HC$ 3.00 MF$ 0.65

MANPOWER STUDIES, MILITARY PERSONNEL
THE EMPLOYMENT OF RETIRED MILITARY PERSONNEL.
AD-646 463 5I U67 07 HC$ 3.00 MF$ 0.65

MAN-MACHINE SYSTEM
TACTUAL PERCEPTION - EXPERIMENTS AND MODELS.
N67-16661 5H S05 06 HC$ 3.00 MF$ 0.65

MAN-MACHINE SYSTEMS, COMPILERS
DIALOG A CONVERSATIONAL PROGRAMMING SYSTEM WITH A GRAPHICAL ORIENTATION.
AD-646 857 9B U67 07 HC$ 3.00 MF$ 0.65

MAN-MACHINE SYSTEMS, SUBROUTINES
SUBROUTINES FOR IBM SYSTEM/360 TO FACILITATE VISUAL DISPLAY AND MAN-MACHINE RELATIONSHIPS.
AD-646 895 9B U67 07 HC$ 3.00 MF$ 0.65

MAPPING, TERRAIN MODELS
THREE-DIMENSIONAL MAP CONSTRUCTION.
AD-646 405 8B U67 07

MARINE BIOLOGY, WATER POLLUTION
THE ROLE OF BOTTOM-DWELLING MACROFAUNA IN WATER POLLUTION INVESTIGATIONS.
PB-173 985 13B U67 07 HC$ 3.00 MF$ 0.65

MARINE ENGINEERING, SHIPPING(MARINE)
A STUDY OF THE FUTURE OF A MARINE TERMINAL INDUSTRY AND OF THE FEASIBILITY OF DEVELOPING NEW MARINE TERMINAL FACILITIES IN OAKLAND, CALIFORNIA. PHASE I. THE OUTLOOK FOR NEW MARINE TERMINAL FACILITIES AT THE PORT OF OAKLAND.
PB-174 058 13J U67 07 HC$ 3.00 MF$ 0.65

MARINE GEOLOGY, GREECE
THE CAVE OF NESTOR , NEAR PILOS, GREECE.
AD-646 404 8G U67 07

MARINE GEOLOGY, OCEAN BOTTOM
SPREADING OF THE OCEAN FLOOR NEW EVIDENCE.
AD-646 522 8G U67 07

MARINE METEOROLOGY, MEASUREMENT
SURFACE EVALUATION AND DEFINITION (SUEDE) PROGRAM.
AD-646 828 8C U67 07 HC$ 3.00 MF$ 0.65

MARINE METEOROLOGY, TURBULENCE
ANALYSIS OF VERTICAL TURBULENT FLUX BY INTEGRAL METHODS.
PB-173 998 4B U67 07 HC$ 3.00 MF$ 0.65

MARINE RUDDERS, SHIPS
LOW-ASPECT-RATIO WING THEORY AND ITS APPLICATION TO THE SHIP RUDDER.
AD-646 369 13J U67 07 HC$ 3.00 MF$ 0.65

MARINER SPACE PROBE
SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME VI FOR THE PERIOD JULY 1 TO AUGUST 31, 1966. SPACE EXPLORATION PROGRAMS AND SPACE SCIENCES.
N67-13685 22B S05 06 HC$ 3.00 MF$ 0.65

SPACE PROGRAMS SUMMARY NO. 37-42, VOLUME VI FOR THE PERIOD SEPTEMBER 1 TO OCTOBER 31, 1966. SPACE EXPLORATION PROGRAMS AND SPACE SCIENCES.
N67-13961 22A S05 06 HC$ 3.00 MF$ 0.65

MARS PROBE
STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION VOLUME I - SUMMARY FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-13575 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME II - SCIENTIFIC PAYLOAD DEFINITION STUDIES FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-13576 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLIOGICAL LABORATORY PROJECT DEFINITION, VOLUME III - SYSTEM ENGINEERING STUDIES FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-13577 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME IV - PROGRAM PLAN FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-13578 22A S05 06 HC$ 3.00 MF$ 0.65

MARS SPACECRAFT
FAILURE RATE COMPUTATIONS BASED ON MARINER MARS 1964 SPACECRAFT DATA.
N67-13684 9A S05 06 HC$ 3.00 MF$ 0.65

MASS SPECTROMETER
EVALUATION OF THE CONSTANT MOMENTUM MASS SPECTROMETER FOR IONOSPHERIC INVESTIGATIONS.
N67-13457 20F S05 06 HC$ 3.00 MF$ 0.65

MASS SPECTROMETRY
DEVELOPMENT OF A MASS SPECTROMETER SYSTEM SUMMARY TECHNICAL REPORT, 1 JUN. 1965 - 21 MAY 1966.
N67-15673 14B S05 06 HC$ 3.00 MF$ 0.65

MASS SPECTROSCOPY, THERMOCHEMISTRY
MOLECULAR BEAM SAMPLING OF UNSTABLE SPECIES FROM HIGH PRESSURE SYSTEMS.
AD-646 935 7D U67 07 HC$ 3.00 MF$ 0.65

MATERIAL FORMING, MOLYBDENUM ALLOYS
MOLYBDENUM SHEET ROLLING PROGRAM.
AD-459 529 11F U67 07 HC$ 3.00

MATERIAL TESTING
STUDY OF ASBESTOS FOR ELECTROCHEMICAL CELLS FIRST SUMMARY REPORT.
N67-15563 10A S05 06 HC$ 3.00 MF$ 0.65

EMISSIVITY COATINGS FOR LOW-TEMPERATURE SPACE RADIATORS QUARTERLY PROGRESS REPORT, 1 JUL. - 30 SEP. 1966.
N67-15568 20M S05 06 HC$ 3.00 MF$ 0.65

DETERMINATION OF THE EMISSIVITY OF MATERIALS SEMIANNUAL PROGRESS REPORT, 15 MAY - 14 NOV. 1966.
N67-15569 20M S05 06 HC$ 3.00 MF$ 0.65

MATERIALS, DEFORMATION
CONTROLLABLE DEFORMATIONS OF INCOMPRESSIBLE SIMPLE MATERIALS.
AD-646 917 20K U67 07 HC$ 3.00 MF$ 0.65

MATERIALS, STRUCTURAL PROPERTIES
STRUCTURAL GUIDELINES FOR MATERIALS DEVELOPMENT. PART III. GUIDELINES FOR TENSION AND COMPRESSION STRUCTURES.
AD-646 809 13M U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL LOGIC, ALGORITHMS
A MATCHING PROCEDURE FOR W-ORDER LOGIC.
AD-646 560 12A U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL LOGIC, QUANTUM MECHANICS
QUANTUM THEORY OF MEASUREMENT IN RELATION TO A GENERAL THEORY OF OBSERVATION AND CONTROL.
AD-646 571 20J U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL MODEL
PROJECT DIODE RELIABILITY PREDICTION TECHNIQUE .
N67-13670 14D S05 06 HC$ 3.00 MF$ 0.65

MATHEMATICAL MODELS, ELECTRICAL NETWORKS
SYNTHESIS OF TIME-VARYING PASSIVE NETWORKS.
AD-646 725 9E U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL MODELS, MANAGEMENT PLANNING
LP II A GOAL PROGRAMMING MODEL FOR MEDIA PLANNING.
AD-646 918 5A U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL MODELS, POROUS MATERIALS
THE USE OF STATISTICAL COMMUNICATION THEORY FOR CHARACTERIZATION OF POROUS MEDIA.
AD-646 695 12B U67 07

MATHEMATICAL MODELS, RADAR ECHO AREAS
A MODEL OF RADAR SCATTERING FROM THE CONE-SPHERE.
AD-646 853 17I U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL MODELS, SYMPOSIA
ALL UNION CONFERENCE-SEMINAR ON THE THEORY AND METHODS OF USING MATHEMATICAL MODELS. TRANSACTIONS.
AD-646 712 9B U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL MODELS, VISUAL PERCEPTION
A GENERALIZATION OF THE MOTZKIN THEOREM.
AD-646 926 12B U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL PROGRAMMING, MINING ENGINEERING
A MATHEMATICAL PROGRAMMING MODEL FOR OPTIMUM DESIGN OF OPEN PIT ORE MINES.
AD-646 724 8I U67 07 HC$ 3.00 MF$ 0.65

MATHEMATICAL PROGRAMMING, OPTIMIZATION
GENERAL NECESSARY CONDITIONS FOR OPTIMIZATION PROBLEMS.
AD-646 417 12B U67 07

MATHEMATICS, CODING
MATHEMATICAL RESEARCH ON CODING THEORY.
AD-646 876 9D U67 07 HC$ 3.00 MF$ 0.65

MATRIX ALGEBRA, ELECTRICAL NETWORKS
THE NUMBER OF TERMS IN THE GENERAL GAIN FORMULAS FOR COATES AND MASON SIGNAL FLOW GRAPHS.
AD-646 838 9A U67 07

MEASUREMENT, THEORY
QUANTUM THEORY OF MEASUREMENT IN RELATION TO A GENERAL THEORY OF OBSERVATION AND CONTROL.
AD-646 571 20J U67 07 HC$ 3.00 MF$ 0.65

MEASURING DEVICES(ELECTRICAL + ELECTRONIC), BATTERIES + COMPONENTS
THE DIFFERENCE FREQUENCY COULOMETER.
AD-646 903 22D U67 07 HC$ 3.00 MF$ 0.65

MEASURING DEVICES(ELECTRICAL + ELECTRONIC), ELECTRIC FIELDS
A NEW NEAR-ZONE ELECTRIC FIELD-STRENGTH METER.
NBS-TN-345 14B U67 07 HC$ 0.35 MF$ 0.65

MECHANICAL PROPERTIES, TESTS
ON THE USE OF THE RING TEST FOR DETERMINING RATE SENSITIVE MATERIAL CONSTANTS.
AD-646 609 20K U67 07 HC$ 3.00 MF$ 0.65

MECHANICAL PROPERTY
INVESTIGATION OF MECHANICAL PROPERTIES OF CHROMIUM, CHROMIUM RHENIUM, AND DERIVED ALLOYS FINAL REPORT, APR. 1 - AUG. 31, 1966.
N67-15833 11F S05 06 HC$ 3.00 MF$ 0.65

MECHANICAL WAVES, PROPAGATION
TRANSIENT ELASTIC WAVES IN INFINITE ANISOTROPIC PLATES THE NEAR FIELD.
AD-646 435 20K U67 07 HC$ 3.00 MF$ 0.65

MEDICAL EQUIPMENT, ENVIRONMENTAL TESTS
AN ENVIRONMENTAL WHOLE-BODY PLETHYSMOGRAPH.
AD-646 721 6L U67 07 HC$ 3.00 MF$ 0.65

MEDICAL RESEARCH, STATISTICAL ANALYSIS
SOME STATISTICAL TREATMENTS COMPATIBLE WITH INDIVIDUAL ORGANISM METHODOLOGY.
AD-646 751 6C U67 07 HC$ 3.00 MF$ 0.65

MEMORY STORAGE UNIT
LAMINATED FERRITE MEMORY, PHASE II FINAL TECHNICAL REPORT, JUN. 1, 1965 - JUN. 30, 1966.
N67-15391 9R S05 06 HC$ 3.00 MF$ 0.65

MEMORY, PERFORMANCE(HUMAN)
FACTORS AFFECTING INFORMATION PROCESSING IN SHORT-TERM MEMORY.
AD-646 373 5J U67 07 HC$ 3.00 MF$ 0.65

MEMORY, SYMPOSIA
MEMORY WITHOUT RECORD.
AD-646 844 5J U67 07

MERCURY COMPOUNDS, METALORGANIC COMPOUNDS
SYNTHESIS ON THE BASIS OF ORGANIC DERIVATIVES OF MERCURY.
AD-646 374 7C U67 07 HC$ 3.00 MF$ 0.65

HALOMETHYL-METAL COMPOUNDS. VII. THE REACTION OF PHENYL(BROMODICHLOROMETHYL) MERCURY WITH CARBOXYLIC ACIDS.
AD-646 394 7C U67 07

HALOMETHYL-METAL COMPOUNDS. VI. PHENYL(DIHALOMETHYL) MERCURY COMPOUNDS THEIR PREPARATION AND SOME CLEAVAGE REACTIONS.
AD-646 416 7C U67 07

MESON REACTIONS, NUCLEAR ISOBARS
PRODUCTION DE L ISOBARE N33*** ET INTERACTION PION + PION DANS L ETAT D ISOSPIN I=2, ETUDIEES DANS LA REACTION PI-MINUS + P TO P + PI-PLUS + PI-MINUS + PI-MINUS A 2, 75 GEV/C (N33*** ISOBAR PRODUCTION AND ISOPIN 2 PION-PION INTERACTION STUDIED IN THE REACTION PI-MINUS + P TO P+ PI-PLUS + PI-

MINUS + PI-MINUS AT 2.75 GEV/C).
PB-174 831 20H U67 67 HC$ 3.00 MF$ 0.65

MESON SCATTERING, NUCLEAR RESONANCE
RESONANCE POLES IN A SIMPLE MODEL OF S WAVE PSEUDOSCALAR MESON BARYON SCATTERING,
AD-645 614 20J U67 67 HC$ 3.00 MF$ 0.65

MESOSPHERE
TEMPORAL VARIATIONS OF MESOSPHERIC OXYGEN AND OZONE DURING AURORAL EVENTS.
N67-15552 4A S05 06 HC$ 3.00 MF$ 0.65

METABOLISM
FULL PRESSURE SUIT HEAT BALANCE STUDIES.
N67-15830 6Q S05 06 HC$ 3.00 MF$ 0.65

METABOLISM, WHOLE BODY IRRADIATION
METABOLIC CHANGES IN HUMANS FOLLOWING TOTAL-BODY IRRADIATION.
AD-645 667 6R U67 67 HC$ 3.00 MF$ 0.65

METAL COATINGS, ELECTRIC CABLES
NEW DEVELOPMENTS IN CLAD METAL WIRE AND SHIELDING.
AD-645 525 9A U67 67 HC$ 3.00 MF$ 0.65

APPLICATION OF WELDED THIN METAL IN NEW COMMUNICATION CABLE DESIGNS.
AD-645 538 9A U67 67 HC$ 3.00 MF$ 0.65

METAL COATINGS, RESISTANCE WELDING
THREE TYPES OF CABLE SHEATH PRODUCED BY HIGH FREQUENCY WELDING.
AD-645 544 9A U67 67 HC$ 3.00 MF$ 0.65

METAL COMPOUND
TWO THREE-METAL CHEMICAL COMPOUNDS (NA K MG2 AND NA CD MG).
N67-15557 78R S05 06 HC$ 3.00 MF$ 0.65

METAL FILMS, ANISOTROPY
NIFECJ FILMS.
AD-645 481 11F U67 67

METAL ION
PROGRAM OF ANALYTICAL AND EXPERIMENTAL STUDY OF POROUS METAL IONIZERS, VOLUME I SUMMARY REPORT, 5 APR. 1965 - 5 MAY 1966.
N67-15572 11F S05 06 HC$ 3.00 MF$ 0.65

METAL PARTICLE
MULTIVARIABLE ANALYSIS OF THE MECHANICS OF PENETRATION OF HIGH SPEED PARTICLES.
N67-15664 20K S05 06 HC$ 3.00 MF$ 0.65

METAL PLATES, STRUCTURAL PROPERTIES
METALLURGICAL CHARACTERISTICS OF HIGH STRENGTH STRUCTURAL MATERIALS.
AD-645 520 11F U67 67 HC$ 3.00 MF$ 0.65

METAL PLATES, THERMAL STRESSES
TEMPERATURE STRESSES IN A THIN ELASTIC PLATE WITH THE PRESENCE OF A SOURCE OF HEAT ON THE CONTOUR OF THE PLATE.
AD-645 928 20K U67 67 HC$ 3.00 MF$ 0.65

METALLOGRAPHY, REPORTS
AVIATION TECHNOLOGICAL INSTITUTE, MOSCOW. TRANSACTIONS, VOL. 50, 1961.
AD-645 733 11F U67 67 HC$ 3.00 MF$ 0.65

METALORGANIC COMPOUNDS, MERCURY COMPOUNDS
SYNTHESIS ON THE BASIS OF ORGANIC DERIVATIVES OF MERCURY.
AD-645 374 7C U67 67 HC$ 3.00 MF$ 0.65

HALOMETHYL-METAL COMPOUNDS. VII. THE REACTION OF PHENYL(BROMODICHLOROMETHYL) MERCURY WITH CARBOXYLIC ACIDS.
AD-645 394 7C U67 67

HALOMETHYL-METAL COMPOUNDS. VI. PHENYL(DIHALOMETHYL) MERCURY COMPOUNDS THEIR PREPARATION AND SOME CLEAVAGE REACTIONS.
AD-645 416 7C U67 67

METALORGANIC COMPOUNDS, TIN COMPOUNDS
FUNDAMENTAL CHEMISTRY OF ORGANOTIN COMPOUNDS.
AD-474 501 7C U67 67 HC$ 3.00 MF$ 0.65

METALS, DEGRADATION
SOME REGULARITIES IN THE DESTRUCTION OF METAL SURFACES THAT ARE SUBJECTED TO THE ACTION OF CAVITATION IN MOLTEN LEAD.
AD-645 449 11F U67 67 HC$ 3.00 MF$ 0.65

METALS, MECHANICAL PROPERTIES
ON THE USE OF THE RING TEST FOR DETERMINING RATE SENSITIVE MATERIAL CONSTANTS.
AD-645 809 20K U67 67 HC$ 3.00 MF$ 0.65

METEOR
PHYSICS OF COMETS AND METEORS.
N67-15441 3B S05 06 HC$ 3.00 MF$ 0.65

METEORITIC COMPOSITION
X-RAY DETECTION OF DISORDERED ORTHOPYROXENES IN METEORITES SEMIANNUAL REPORT, JUN. 1 - NOV. 30, 1966.
N67-16700 8G S05 06 HC$ 3.00 MF$ 0.65

METEOROLOGICAL INSTRUMENTS, AIRBORNE
A RAINDROP SPECTROMETER AND AN AUTOMATIC LIQUID-WATER-CONTENT METER.
AD-645 661 4B U67 67 HC$ 3.00 MF$ 0.65

METEOROLOGICAL PHENOMENA, NETHERLANDS
RELATION OF LIGHTNING, RAINFALL, AND HAIL TO THE PROPERTIES OF MESOSCALE METEOROLOGICAL PATTERNS.
PB-173 973 4B U67 67 HC$ 3.00 MF$ 0.65

METEOROLOGICAL RADAR, ATMOSPHERIC PRECIPITATION
OROGRAPHIC EFFECTS ON PRECIPITATION PROCESSES.
AD-646 894 4B U67 67 HC$ 3.00 MF$ 0.65

METEOROLOGICAL RADAR, STORMS
MOVEMENT AND PREDICTABILITY OF RADAR ECHOES.
PB-173 972 17I U67 67 HC$ 3.00 MF$ 0.65

METEOROLOGICAL RADAR, WIND
ADDITION OF SIGNAL CONDITIONING AND DATA PROCESSING CAPABILITY TO THE UNATTENDED METEOR TRAIL WIND AND DENSITY SET.
AD-646 668 17I U67 67 HC$ 3.00 MF$ 0.65

METEOROLOGICAL SATELLITES, CLOUDS
NUMERICAL INTERPRETATION OF CLOUD INFORMATION FROM METEOROLOGICAL SATELLITES.
AD-646 617 4B U67 67 HC$ 3.00 MF$ 0.65

METEOROLOGICAL SATELLITES, WEATHER FORECASTING
MOTIONS IN THE UPPER TROPOSPHERE AS REVEALED BY SATELLITE-OBSERVED CIRRUS FORMATIONS.
PB-173 996 4B U67 67 HC$ 3.00 MF$ 0.65

METEOROLOGY
ACHIEVEMENTS OF SCIENCE - GEOPHYSICS, 1962.
N67-15421 8K S05 06 HC$ 3.00 MF$ 0.65

VARIABILITY OF SOUND PROPAGATION PREDICTION DUE TO ATMOSPHERIC VARIABILITY FINAL REPORT.
N67-16681 4B S05 06 HC$ 3.00 MF$ 0.65

METHANE, OXIDATION
KINETICS OF HYDROGEN-OXYGEN AND HYDROCARBON-OXYGEN REACTIONS.
AD-646 850 7D U67 67 HC$ 3.00 MF$ 0.65

MICROANALYSIS, SCANNING
SCANNING ELECTRON PROBE MICROANALYSIS.
NBS-TN-278 7D U67 67 HC$ 0.30 MF$ 0.65

MICROBIOLOGY
MICROBIOLOGICAL BURDEN ON THE SURFACES OF THE AIMP SPACECRAFT, PART 2.
N67-16051 22B S05 06 HC$ 3.00 MF$ 0.65

MICROBIOLOGICAL BURDEN ON THE SURFACES OF THE AIMP SPACECRAFT, PART 3.
N67-16052 22B S05 06 HC$ 3.00 MF$ 0.65

A STUDY TOWARD DEVELOPMENT OF AN AUTOMATED MICROBIAL METABOLISM LABORATORY MONTHLY PROGRESS REPORT.
N67-16503 6M S05 06 HC$ 3.00 MF$ 0.65

MICROELECTRONICS
CHARACTERIZATION OF CERAMIC MATERIALS FOR MICROELECTRONIC APPLICATIONS SUMMARY REPORT NO. 1, 23 NOV. 1965 - 23 NOV. 1966.
N67-16566 20L S05 06 HC$ 3.00 MF$ 0.65

MICROMETEORITE
MANNED SPACE-FLIGHT EXPERIMENTS, GEMINI IX MISSION INTERIM REPORT.
N67-16021 22A S05 06 HC$ 3.00 MF$ 0.65

MICROORGANISM
AN EXPERIMENT TO DETECT MICROORGANISMS IN THE UPPER ATMOSPHERE FLOWN ON AEROBEE NASA 4.150.
N67-16545 6M S05 06 HC$ 3.00 MF$ 0.65

MICROORGANISMS, LIFE SPAN
A STOCHASTIC MODEL OF INCUBATION-PERIOD DISTRIBUTIONS MATHEMATICAL DEVELOPMENT.
AD-646 885 6E U67 67 HC$ 3.00 MF$ 0.65

MICROSEISMS, DETECTION
GEOSCIENCES AND TECHNOLOGY BULLETIN, VOL. 1, NO. 2, 1966.
AD-646 746 17J U67 67 HC$ 3.00 MF$ 0.65

MICROWAVE EQUIPMENT, AVALANCHE DIODES
FOREIGN SCIENCE BULLETIN VOL. 3, NO. 1, 1967.
AD-646 634 5A U67 67 HC$ 3.00 MF$ 0.65

MICROWAVE EQUIPMENT, TRANSIENTS
RESEARCH INVESTIGATION IN TRANSIENT HIGH-POWER PHENOMENA AT MICROWAVE FREQUENCIES.
AD-646 776 20C U67 67

MICROWAVE FREQUENCY, ACOUSTICS
GEOMETRICAL ACOUSTICS IN MAGNETIC MATERIALS.
AD-646 792 20A U67 67

MICROWAVES, ATTENUATION
FADING STATISTICS ON A 212-KM LINE-OF-SIGHT OVERWATER RADIO PATH AT 1760MHZ.
PB-174 852 20N U67 67 HC$ 3.00 MF$ 0.65

MICROWAVES, SCATTERING
CLOUD DROPLET MICROWAVE DISPERSION EFFECTS ON LINE INTEGRAL REFRACTOMETER MEASUREMENTS.
AD-646 718 4A U67 67 HC$ 3.00 MF$ 0.65

MICROWAVES, SCIENTIFIC RESEARCH
RESEARCH INVESTIGATION DIRECTED TOWARD EXTENDING THE USEFUL RANGE OF THE ELECTROMAGNETIC SPECTRUM.
AD-646 898 9C U67 67 HC$ 3.00 MF$ 0.65

MILITARY MEDICINE, DENTISTRY

STUDY OF PROGRESS OF ENAMEL CARIES IN TEETH OF NAVAL PERSONNEL.
AD-645 795 6E U67 07 HC$ 3.00 MF$ 0.65

MILITARY PERSONNEL, ADJUSTMENT(PSYCHOLOGY)
THE ROLE OF TRIAL IN THE ACCEPTANCE AND ADOPTION OF NEW EQUIPMENT A REVIEW AND SUMMARY.
AD-645 360 5J U67 07 HC$ 3.00 MF$ 0.65

MILITARY PERSONNEL, RETRAINING
THE EMPLOYMENT OF RETIRED MILITARY PERSONNEL.
AD-645 463 5I U67 07 HC$ 3.00 MF$ 0.65

MILLIMETER WAVE
MILLIMETER-WAVE GENERATION WITH ELECTRON-BEAM DEVICES. A CRITICAL SURVEY OF THE STATE OF THE ART.
N67-15685 9A S05 06 HC$ 3.00 MF$ 0.65

MINE DETECTORS, LAND MINES
MICROWAVE RADIOMETRIC STUDIES IN RELATION TO MINE DETECTION.
AD-645 738 19A U67 07 HC$ 3.00 MF$ 0.65

MINELAYING, PERFORMANCE(HUMAN)
A RAPID TACTICAL MINE-PLANTING SYSTEM HOW FORCE LEVEL AFFECTS LEVER-THROWING TIME.
AD-645 854 19A U67 07 HC$ 3.00 MF$ 0.65

MINERALS, MECHANICAL PROPERTIES
SHEAR PHENOMENA IN NATURAL GRANULAR MATERIALS.
AD-645 865 8G U67 07 HC$ 3.00 MF$ 0.65

MINERALS, SOUND TRANSMISSION
MEASUREMENT OF P AND S SOUND VELOCITIES UNDER PRESSURE ON LABORATORY MODELS OF THE EARTH S MANTLE.
AD-645 782 8G U67 07 HC$ 3.00 MF$ 0.65

MINERALS, X-RAY DIFFRACTION ANALYSIS
GRAPHICAL REPRESENTATIONS OF SELECTED FUNCTIONS OF INTERPLANAR SPACINGS FOR 5184 INORGANIC X-RAY POWDER DIFFRACTION PATTERNS.
UCRL-50115 7D N21 04 HC$ 3.00 MF$ 0.65

MINIMUM DRAG
HYPERSONIC PROFILE OF MINIMUM DRAG, HAVING AN ASSIGNED BENDING STRENGTH.
N67-15699 1A S05 06 HC$ 3.00 MF$ 0.65

MINING ENGINEERING, MATHEMATICAL PROGRAMMING
A MATHEMATICAL PROGRAMMING MODEL FOR OPTIMUM DESIGN OF OPEN PIT ORE MINES.
AD-645 724 8I U67 07 HC$ 3.00 MF$ 0.65

MINKOWSKI THEORY
LECTURES ON RELATIVITY THEORY.
N67-15519 20J S05 06 HC$ 3.00 MF$ 0.65

MISSION PLANNING
RANGER VI MISSION DESCRIPTION AND PERFORMANCE.
N67-15682 22B S05 06 HC$ 3.00 MF$ 0.65

MIXED FLOW
A THERMODYNAMIC FLOW ANALYSIS OF PARTICLE FORMATION EFFICIENCY IN A MIXED FLOW COLLOID THRUSTOR.
N67-15045 20M S05 06 HC$ 3.00 MF$ 0.65

MOISTURE, MEASUREMENT
A RAINDROP SPECTROMETER AND AN AUTOMATIC LIQUID-WATER-CONTENT METER.
AD-645 661 4B U67 07 HC$ 3.00 MF$ 0.65

MOLECULAR BEAMS, FOCUSING
ALTERNATE-GRADIENT FOCUSING OF MOLECULAR BEAMS.
AD-645 406 20G U67 07

MOLECULAR BEAMS, LITHIUM
ANNUAL SUMMARY REPORT COVERING PERIOD APRIL 1, 1966 - DECEMBER 31, 1966.
AD-645 838 20H U67 07 HC$ 3.00 MF$ 0.65

MOLECULAR ENERGY
QUANTUM MECHANICAL STUDY OF MOLECULES - PREDICTION OF THE GROUND, IONIZED AND EXCITED STATES OF THE UNKNOWN NF MOLECULE.
N67-15868 20L S05 06 HC$ 3.00 MF$ 0.65

MOLECULAR ENERGY LEVELS, PHOTOCHEMISTRY
THE REACTION OF MOLECULES IN EXCITED ELECTRONIC STATES WITH PARAMAGNETIC GASES.
AD-645 673 7E U67 07 HC$ 3.00 MF$ 0.65

MOLECULAR GAS
KINETIC THEORY OF BIMOLECULAR CHEMICAL REACTION, DIFFUSIVE DRAG, AND OTHER PROCESSES IN A GAS MIXTURE.
N67-15553 7D S05 06 HC$ 3.00 MF$ 0.65

MOLECULAR INTERACTION
INTERACTION BETWEEN CARBIDES OF TRANSITION METALS AND THEIR OXIDES.
N67-15690 7B S05 06 HC$ 3.00 MF$ 0.65

MOLECULAR ORBITALS, MEASUREMENT
THE SIZE OF A LONE PAIR OF ELECTRONS. EVIDENCE FOR AN AXIAL T-BUTYL GROUP.
AD-645 402 7C U67 07

MOLECULAR PROPERTIES, REVIEWS
QUARTERLY PROGRESS REPORT NO. 63 OF SOLID-STATE AND MOLECULAR THEORY GROUP.
AD-645 582 20J U67 07 HC$ 3.00 MF$ 0.65

MOLECULAR SPECTROSCOPY, MICROWAVE FREQUENCY
RESEARCH INVESTIGATION DIRECTED TOWARD EXTENDING THE USEFUL RANGE OF THE ELECTROMAGNETIC SPECTRUM.
AD-646 898 9C U67 07 HC$ 3.00 MF$ 0.65

MOLECULES, BIOCHEMISTRY
ULTRACENTRIFUGATION STUDIES WITH ABSORPTION OPTICS. V. ANALYSIS OF INTERACTING SYSTEMS INVOLVING MACROMOLECULES AND SMALL MOLECULES.
AD-646 692 6A U67 07

MOLYBDENUM ALLOYS, MICROSTRUCTURE
TWINNING AND THE LOW TEMPERATURE MECHANICAL PROPERTIES OF POLYCRYSTALLINE COLUMBIUM, MOLYBDENUM AND CBMO ALLOYS.
AD-646 682 20B U67 07 HC$ 3.00 MF$ 0.65

MOLYBDENUM ALLOYS, SHEETS
MOLYBDENUM SHEET ROLLING PROGRAM.
AD-458 529 11F U67 07 HC$ 3.00

MONITOR
MICROBIOLOGICAL BURDEN ON THE SURFACES OF THE AIMP SPACECRAFT, PART 3.
N67-16052 22B S05 06 HC$ 3.00 MF$ 0.65

MONITORS, BATTERIES + COMPONENTS
THE DIFFERENCE FREQUENCY COULOMETER.
AD-646 903 22D U67 07 HC$ 3.00 MF$ 0.65

MONOCHROMATIC RADIATION
A SYSTEM FOR THE GENERATION OF MONOCHROMATIC RADIATION FOR PHOTO-BIOLOGICAL INVESTIGATIONS.
N67-15555 6B S05 06 HC$ 3.00 MF$ 0.65

MONOCYCLIC COMPOUNDS, PHOTOCHEMISTRY
THE REACTION OF MOLECULES IN EXCITED ELECTRONIC STATES WITH PARAMAGNETIC GASES.
AD-646 673 7E U67 07 HC$ 3.00 MF$ 0.65

MONTE CARLO METHOD, STOCHASTIC PROCESSES
RANDOM SAMPLING OF RANDOM PROCESSES MEAN-SQUARE COMPARISON OF VARIOUS INTERPOLATORS.
AD-646 488 12A U67 07

MOON, OPTICAL PROPERTIES
FOREIGN SCIENCE BULLETIN VOL. 3, NO. 1, 1967.
AD-646 634 5A U67 07 HC$ 3.00 MF$ 0.65

MOSSBAUER EFFECT, IRON COMPOUNDS
A MOSSBAUER EFFECT STUDY OF ELECTRONIC RELAXATION IN THE PARAMAGNETIC COMPOUND NH4(FE,AL)(SO4)2 . 12 H2O.
AD-646 626 7E U67 07 HC$ 3.00 MF$ 0.65

MOTION EQUATION
ON THE DYNAMIC CHARACTERISTICS OF A VARIABLE- MASS SLENDER ELASTIC BODY UNDER HIGH ACCELERATIONS.
N67-16672 20K S05 06 HC$ 3.00 MF$ 0.65

MOTION PICTURE PHOTOGRAPHY, OPTICAL PHENOMENA
CINEMATOGRAPHIE DE PHENOMENES TRANSITOIRES FAIBLEMENT LUMINEUX A L AIDE D AMPLIFICATEURS DE LUMINANCE (CINEMATOGRAPHY OF WEAKLY-LUMINOUS TRANSIENT PHENOMENA USING IMAGE CONVERTERS).
PB-174 046 14B U67 07 HC$ 3.00 MF$ 0.65

MOTION STABILITY
ATTITUDE STABILITY OF A SPINNING PASSIVE ORBITING SATELLITE.
N67-16665 22C S05 06 HC$ 3.00 MF$ 0.65

MOTION, RADAR ECHO AREAS
MOVEMENT AND PREDICTABILITY OF RADAR ECHOES.
PB-173 972 17I U67 07 HC$ 3.00 MF$ 0.65

MOTIVATION, BEHAVIOR
GOALS AND INTENTIONS AS DETERMINANTS OF PERFORMANCE LEVEL, TASK CHOICE AND ATTITUDES.
AD-646 392 5J U67 07 HC$ 3.00 MF$ 0.65

MOTOR VEHICLE OPERATORS, RECORDS
EVALUATION OF IDENTIFICATION FACTORS.
PB-174 009 5A U67 07 HC$ 3.00 MF$ 0.65

MOUSE
INVESTIGATION OF PEROGNATHUS AS AN EXPERIMENTAL ORGANISM FOR RESEARCH IN SPACE BIOLOGY SUMMARY PROGRESS REPORT, 1 JAN. - 31 DEC. 1966.
N67-16608 6C S05 06 HC$ 3.00 MF$ 0.65

MULTIMETERS, CALIBRATION
AC-DC METER CALIBRATOR MODEL 33 (RADIO FREQUENCY LABORATORIES, INC).
PB-174 081 9C U67 07 HC$ 3.00 MF$ 0.65

MULTIVARIATE ANALYSIS, STATISTICAL TESTS
THE GENERALIZED VARIANCE TESTING AND RANKING PROBLEMS.
AD-646 839 12A U67 07 HC$ 3.00 MF$ 0.65

MULTIVARIATE ANALYSIS, STOCHASTIC PROCESSES
MULTIVARIATE MULTIPLE REGRESSION WITH STOCHASTIC PREDICTOR VARIABLES.
AD-646 427 12A U67 07 HC$ 3.00 MF$ 0.65

MULTIVARIATE REGRESSION WITH ONE STOCHASTIC PREDICTOR VARIABLE.
AD-646 444 12A U67 07 HC$ 3.00 MF$ 0.65

MUSCA, INSECTICIDES
THE EFFECT OF CHLOROPHOS AND TEMPERATURE ON THE RESPIRATORY RHYTHM OF FLIES.
AD-646 920 6F U67 07 HC$ 3.00 MF$ 0.65

MUSCLE PROTEINS, ELECTRON MICROSCOPY

QUELQUES TECHNIQUES D ETUDE DE L ACTOMYOSINE PAR MICROSCOPIE ELECTRONIQUE (SOME TECHNIQUES FOR STUDYING ACTOMYOSIN BY ELECTRON MICROSCOPY),
PB-174 044 6A U67 67 HC$ 3.00 MF$ 0.65

MUSCLES, NECROSIS
ULTRASTRUCTURAL STUDIES ON THE LESION PRODUCED IN SKELETAL MUSCLE FIBERS BY CRUDE TYPE A CLOSTRIDIUM PERFRINGENS TOXIN AND ITS PURIFIED ALPHA FRACTION,
AD-645 487 6E U67 67

MUSCLES, STRENGTH
MEASUREMENT OF STATIC MUSCLE ENDURANCE,
AD-645 400 6B U67 67

MYCOPLASMA, ANTIGEN-ANTIBODY REACTIONS
INDIRECT HEMAGGLUTINATION TEST FOR MYCOPLASMA PNEUMONIAE EMPLOYING A COMMERCIALLY AVAILABLE ANTIGEN AND ADAPTED TO THE MICROTITER TECHNIC,
AD-645 462 6M U67 67 HC$ 3.00 MF$ 0.65

NAPHTHALENES, OXIDATION
AROMATIC OXIDATION BY ELECTRON TRANSFER. III. OXIDATION OF 1-AND 2-METHOXY-NAPHTHALENE BY MANGANIC ACETATE.
AD-645 362 7C U67 67

NAVAL AVIATION, TRAINING
MISCELLANEOUS TESTS AND MINOR EVALUATIONS.
AD-50 299 5I U67 67 HC$ 3.00

NAVAL RESEARCH, MANAGEMENT PLANNING
PROGRAM PLANNING FOR RESEARCH AND DEVELOPMENT IN THE NAVY,
AD-645 497 5A U67 67 HC$ 3.00 MF$ 0.65

NAVAL RESEARCH, REPORTS
USER SURVEY OF NAVY TECHNICAL REPORTS,
AD-645 493 5B U67 67 HC$ 3.00 MF$ 0.65

NAVIGATION AND GUIDANCE
SPACE PROGRAMS SUMMARY NO. 37-42, VOLUME III FOR THE PERIOD SEPTEMBER 1, 1966 TO OCTOBER 31, 1966. DEEP SPACE NETWORK.
N67-15901 9F S05 66 HC$ 3.00 MF$ 0.65

NAVIGATION SATELLITES, SATELLITE TRACKING SYSTEMS
U. S. NAVY DOPPLER TRACKING SYSTEM TRANET.
AD-645 904 22D U67 67 HC$ 3.00 MF$ 0.65

NEISSERIA MENINGITIDIS, ANTIBIOTICS
ANTIBIOTIC PROPHYLAXIS OF CARRIERS OF SULFADIAZINE-RESISTANT MENINGOCOCCI,
AD-645 825 6O U67 67

NEOPLASMS, ADENOVIRUSES
DEVELOPMENT AND PRODUCTION OF REAGENTS FOR THE IDENTIFICATION OF TUMORS INDUCED BY VIRUSES,
PB-174 079 6M U67 67 HC$ 3.00 MF$ 0.65

ONCOGENICITY TESTING OF CANDIDATE VIRAL RESPIRATORY VACCINE STRAINS AND TUMOR REAGENT PROGRAMS,
PB-174 071 6M U67 67 HC$ 3.00 MF$ 0.65

NEPTUNE(PLANET), BRIGHTNESS
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AD-645 445 3B U67 67 HC$ 3.00 MF$ 0.65

NERVE FIBERS, RETINA
CENTRIFUGAL FIBERS TO THE RETINA OF OCTOPUS VULGARIS,
AD-645 439 6C U67 67

NERVOUS SYSTEM, ELECTROPHYSIOLOGY
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AD-645 424 6P U67 67 HC$ 3.00 MF$ 0.65

NERVOUS SYSTEM, MODELS(SIMULATIONS)
HARDWARE AIDS FOR AUTOMATA DESIGN,
AD-645 393 9B U67 67 HC$ 3.00 MF$ 0.65

NEUROMUSCULAR TRANSMISSION, CRUSTACEA
REFLEX CONTROL OF ABDOMINAL FLEXOR MUSCLES IN THE CRAYFISH. I. THE TWITCH SYSTEM,
AD-645 557 6C U67 67

NEUTRON CROSS SECTIONS, MEASUREMENT
INTERACTIONS A DEUX CORPS DANS LA REACTION 9BE (N, ALPHA ALPHA NN) A 14 MEV. II - MESURE DES SECTIONS EFFICACES (TWO BODY INTERACTION IN THE REACTION 9BE(N, ALPHA ALPHA NN) AT 14 MEV, II. CROSS-SECTION MEASUREMENTS),
PB-174 033 20H U67 67 HC$ 3.00 MF$ 0.65

NEUTRON CROSS SECTIONS, NEUTRON FLUX
NEUTRON RESONANCES AND REACTIVITY,
LA-3550-MS 20H U67 67 HC$ 3.00 MF$ 0.65

NEUTRON DETECTORS, IONIZATION CHAMBERS
ETUDE DES DETECTEURS A GAZ POUR NEUTRONS THERMIQUES FONCTIONNANT EN COLLECTION DE COURANT (GAS DETECTORS FOR THERMAL NEUTRON AT HIGH COUNTING RATES),
PB-174 034 18D U67 67 HC$ 3.00 MF$ 0.65

NEUTRON FLUX, ATMOSPHERE
TIME DEPENDENT NEUTRON TRANSPORT FROM A POINT ISOTROPIC SOURCE AT AN ALTITUDE OF (9.144 KM) 30,000 FT,
AD-645 458 18H U67 67 HC$ 3.00 MF$ 0.65

NEUTRON REACTIONS, BERYLLIUM
INTERACTIONS A DEUX CORPS DANS LA REACTION 9BE (N, ALPHA ALPHA NN) A 14 MEV. II - MESURE DES SECTIONS EFFICACES (TWO BODY INTERACTION IN THE REACTION 9BE(N, ALPHA ALPHA NN) AT 14 MEV, II. CROSS-SECTION MEASUREMENTS),
PB-174 033 20H U67 67 HC$ 3.00 MF$ 0.65

NEUTRON SCATTERING
THE D3/2 NEUTRON SCATTERING RESONANCE IN THE SHELL MODEL OF O16.
N67-15386 20H S05 66 HC$ 3.00 MF$ 0.65

NEUTRON SCATTERING, NEUTRON ABSORPTION
NEUTRON RESONANCES AND REACTIVITY,
LA-3560-MS 20H U67 67 HC$ 3.00 MF$ 0.65

NEUTRON SPECTRUM, CONCRETE
MEASUREMENT OF NEUTRON SPECTRUM, AGE, AND DIFFUSION LENGTH IN CONCRETE,
AD-646 630 20H U67 67 HC$ 3.00 MF$ 0.65

NEUTRON TRANSPORT THEORY, COMPUTER PROGRAMS
TIME DEPENDENT NEUTRON TRANSPORT FROM A POINT ISOTROPIC SOURCE AT AN ALTITUDE OF (9.144 KM) 30,000 FT,
AD-646 458 18H U67 67 HC$ 3.00 MF$ 0.65

NEUTRON TRANSPORT THEORY, FUNCTIONS
NOTION DE FONCTION DE TRANSFERT POUR UN REACTEUR NUCLEAIRE (CONCEPT OF TRANSFER FUNCTIONS FOR A NUCLEAR REACTOR),
PB-174 045 18K U67 67 HC$ 3.00 MF$ 0.65

NEUTRON TRANSPORT THEORY, HETEROGENEOUS REACTORS
LA CINETIQUE DES MILIEUX HETEROGENES (KINETICS OF HETEROGENEOUS SYSTEMS),
PB-174 049 18K U67 67 HC$ 3.00 MF$ 0.65

NEUTRON TRANSPORT THEORY, REACTOR MODERATORS
APPLICATION DE LA METHODE JANVIER (M.YVON) AUX EXPERIENCES PAR NEUTRONS PULSES (APPLICATION OF THE JANVIER (M.YVON) METHOD TO PULSED NEUTRON EXPERIMENTS),
PB-174 028 18K U67 67 HC$ 3.00 MF$ 0.65

NEUTRONS, DATA STORAGE SYSTEMS
COMPUTER-ORIENTED NEUTRON DATA STORAGE AND RETRIEVAL SYSTEM,
UCRL-50132 20H N21 64 HC$ 3.00 MF$ 0.65

NICKEL ALLOYS, CORROSION
EFFECT OF SULFUR IN JP-5 FUEL ON HOT CORROSION OF COATED SUPERALLOYS IN MARINE ENVIRONMENT,
AD-646 810 11F U67 67 HC$ 3.00 MF$ 0.65

NICKEL ALLOYS, ELECTROFORMING
ELECTROFORMING OF THE COMPOSITES OF NICKEL REINFORCED WITH SOME HIGH-STRENGTH FILAMENTS.
AD-646 386 13H U67 67 HC$ 3.00 MF$ 0.65

NICKEL COMPOUNDS, ELECTROCHEMISTRY
THE ELECTROCHEMICAL AND DISSOLUTION PROPERTIES OF NICKEL OXIDE.
AD-646 456 7D U67 67 HC$ 3.00 MF$ 0.65

NICKEL-CADMIUM BATTERY
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N67-16697 10C S05 66 HC$ 3.00 MF$ 0.65

NIOBIUM
ULTRASONIC ATTENUATION IN SUPERCONDUCTING NIOBIUM.
N67-16692 20C S05 66 HC$ 3.00 MF$ 0.65

NIOBIUM ALLOY
SUPERCONDUCTIVITY IN NB C- NB N SOLID SOLUTIONS.
N67-15689 20L S05 66 HC$ 3.00 MF$ 0.65

EFFECT OF 1000 HOUR THERMAL EXPOSURES ON TENSILE PROPERTIES OF REFRACTORY METAL ALLOYS.
N67-16564 11F S05 66 HC$ 3.00 MF$ 0.65

CONTAMINATION EXPOSURES OF COLUMBIUM AND TANTALUM ALLOY SPECIMENS FINAL REPORT, 25 FEB. 1965 - 15 JUN. 1966.
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NIOBIUM, ELECTROMAGNETIC PROPERTIES
TRANSITION SUPRACONDUCTRICE ET MAGNETORESISTANCE EN CHAMP FAIBLE D UN ECHANTILON MONOCRISTALLIN DE NIOBIUM A 4.2K (SUPERCONDUCTIVE TRANSITION AND LOW-FIELD MAGNETORESISTANCE OF A NIOBIUM SINGLE CRYSTAL AT 4.2K),
PB-174 041 20C U67 67 HC$ 3.00 MF$ 0.65

NIOBIUM, OXIDATION
THE PARABOLIC OXIDATION KINETICS OF NIOBIUM,
AD-646 807 7D U67 67

NITROGEN ATOM
SPECTRAL ABSORPTION COEFFICIENTS OF CARBON, NITROGEN, AND OXYGEN ATOMS.
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NITROGEN COMPOUNDS, SYNTHESIS
BASIC RESEARCH ON SYNTHESIS OF NEW PHOSPHORUS-NITROGEN REAGENTS,
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NITROGEN FLUORIDE
QUANTUM MECHANICAL STUDY OF MOLECULES - PREDICTION OF THE GROUND, IONIZED AND EXCITED STATES OF THE UNKNOWN NF MOLECULE.

N67-15668 20L S05 06 HC$ 3.00 MF$ 0.65

NITROGEN OXIDE
STORAGE TESTS OF NITROGEN TETROXIDE AND HYDRAZINE IN ALUMINUM CONTAINERS.
N67-15559 21I S05 06 HC$ 3.00 MF$ 0.65

NITROGEN, ATOMIC ORBITALS
FINE STRUCTURE OF TERMS IN ATOMIC SPECIES OF CARBON AND NITROGEN TYPE IN THE CONFIGURATIONS 1S(2)2S2P(3) AND 1S(2)2S(2)2P(3).
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NOCTILUCENT CLOUD
MEASURED TEMPERATURE STRUCTURE IN NOCTILUCENT CLOUDS.
N67-15550 4A S05 06 HC$ 3.00 MF$ 0.65

NOISE MEASUREMENT
OCTAVE AND ONE-THIRD OCTAVE ACOUSTIC NOISE SPECTRUM ANALYSIS.
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SOUND-RECEPTION AND FLOW-NOISE OF SIMPLE LINES AND PERFORATED PIPES IN MOTION.
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NOISE, HEARING
THE RELATIONS OF HEARING LOSS TO NOISE EXPOSURE.
AD-645 775 6J U67 07

NONEQUILIBRIUM FLOW, NUMERICAL ANALYSIS
A NEW TECHNIQUE FOR THE NUMERICAL ANALYSIS OF NONEQUILIBRIUM FLOWS.
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NONLINEAR PROGRAMMING, TORSION
ELASTIC PLASTIC TORSION AS A PROBLEM IN NON-LINEAR PROGRAMMING.
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NONLINEAR SYSTEM
SYSTEMS AND CONTROLS LABORATORY RESEARCH REPORT.
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NONLINEARITY
THE EFFECT OF NON-LINEARITIES ON OPTICAL CORRELATION PROCESSING.
N67-15630 20F S05 06 HC$ 3.00 MF$ 0.65

NON-DESTRUCTIVE TESTING, ULTRASONIC RADIATION
INVESTIGATION OF RESONANT BEAM AND ULTRASONIC METHODS FOR THE EVALUATION OF SINTERED POWDER STEEL COMPACTS.
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NOZZLE FLOW
A THERMODYNAMIC FLOW ANALYSIS OF PARTICLE FORMATION EFFICIENCY IN A MIXED FLOW COLLOID THRUSTOR.
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NOZZLE INSERTS, REFRACTORY MATERIALS
HIGH VISCOSITY THERMAL PROTECTION MATERIALS.
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NUCLEAR ENERGY LEVELS, BERYLLIUM
EXCITATION OF SINGLE-PARTICLE STATES IN 8BE BY THE 9BE(P,D)8BE REACTION.
AD-645 785 20H U67 07

NUCLEAR ENERGY LEVELS, BORON
LEVELS IN 11B FROM 7LI(ALPHA,ALPHA)7LI AND 7LI(ALPHA,ALPHA)7LI*(0.48).
AD-645 789 20H U67 07

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COLLECTIVE NUCLEAR BREATHING MODE MODEL WITH APPLICATION TO 4HE MONOPOLE STATE.
AD-645 434 20J U67 07

A MODEL TO RELATE LEVELS IN AN ISOBARIC MULTIPLET.
AD-645 783 20H U67 07

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RESEARCH ON THEORETICAL SEISMOLOGY FINAL REPORT, JUL. 1, 1956 - JUN. 30, 1966.
N67-15354 8K S05 06 HC$ 3.00 MF$ 0.65

NUCLEAR EXPLOSION DAMAGE, COUNTERMEASURES
AN APPROACH TO DEFINING POSTATTACK RECOVERY MANAGEMENT CONCEPTS AND TECHNIQUES.
AD-645 627 15C U67 07 HC$ 3.00 MF$ 0.65

NUCLEAR EXPLOSIONS, BIBLIOGRAPHIES
PLOWSHARE A SELECTED, ANNOTATED BIBLIOGRAPHY OF THE CIVIL, INDUSTRIAL, AND SCIENTIFIC USES FOR NUCLEAR EXPLOSIVES.
TID-3522 5B N21 04 HC$ 3.00 MF$ 0.65

NUCLEAR FUEL
THEORETICAL INVESTIGATION OF RADIANT HEAT TRANSFER IN THE FUEL REGION OF A GASEOUS NUCLEAR ROCKET ENGINE.
N67-15013 21F S05 06 HC$ 3.00 MF$ 0.65

NUCLEAR INDUSTRIAL APPLICATIONS, NUCLEAR EXPLOSIONS
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CATALOG OF THE INSTRUMENTS USING NUCLEAR SOURCES AND UTILIZED FOR CONTROLLING AND AUTOMATION OF TECHNICAL PROCESSES, PRODUCED BY THE ALL-UNION GROUP ISOTOPE, 1965.
AEC-TR-6699 18B N21 04 HC$ 3.00 MF$ 0.65

NUCLEAR INTERACTION
VIRTUAL TRANSITIONS TO THE CONTINUUM IN O16.
N67-16629 20H S05 06 HC$ 3.00 MF$ 0.65

NUCLEAR ISOBARS, NUCLEAR REACTIONS
PRODUCTION DE L ISOBARE N33*** ET INTERACTION PION + PION DANS L ETAT D ISOSPIN 1#2, ETUDIEES DANS LA REACTION PI-MINUS + P TO P + PI-PLUS + PI-MINUS + PI-MINUS A 2, 75 GEV/C (N33*** ISOBAR PRODUCTION AND ISOPIN 2 PION+PION INTERACTION STUDIED IN THE REACTION PI-MINUS + P TO P+ PI-PLUS + PI-MINUS + PI-MINUS AT 2.75 GEV/C).
PR-174 031 20H U67 07 HC$ 3.00 MF$ 0.65

NUCLEAR MAGNETIC RESONANCE, ANTIFERROMAGNETISM
PROTON AND CHLORINE NUCLEAR MAGNETIC RESONANCE IN ANTIFERROMAGNETIC MNCL2.4H2O.
AD-646 399 20L U67 07

NUCLEAR MAGNETIC RESONANCE, MAGNETIC FIELDS
MAGNETIC FIELD DEPENDENCE OF THE KNIGHT SHIFT.
AD-646 396 20L U67 07

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ELECTRONIC AND NUCLEAR PARAMAGNETISM AND ENERGY EXCHANGE MECHANISMS.
AD-646 620 20L U67 07 HC$ 3.00 MF$ 0.65

NUCLEAR MAGNETIC RESONANCE, SENSORS
STABILIZATION OF A MAGNETIC FIELD BASED ON NUCLEAR RESONANCE.
AD-646 454 20C U67 07 HC$ 3.00 MF$ 0.65

NUCLEAR MODELS, BETA DECAY
GAMOW-TELLER BETA DECAY IN HEAVY SPHERICAL NUCLEI AND UNLIKE PARTICLE-HOLE RANDOM PHASE APPROXIMATION.
AD-646 749 18H U67 07 HC$ 3.00 MF$ 0.65

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COLLECTIVE NUCLEAR BREATHING MODE MODEL WITH APPLICATION TO 4HE MONOPOLE STATE.
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A MODEL TO RELATE LEVELS IN AN ISOBARIC MULTIPLET.
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NUCLEAR POWER PLANT
DETERMINATION OF THE EMISSIVITY OF MATERIALS SEMIANNUAL PROGRESS REPORT, 15 MAY - 14 NOV. 1966.
N67-16569 20M S05 06 HC$ 3.00 MF$ 0.65

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SMALL NUCLEAR POWER PLANTS. VOLUME ONE, DESIGN, CONSTRUCTION, AND OPERATING EXPERIENCE.
COO-284 (VOL. 1) 18I N21 04 HC$ 3.00 MF$ 0.65

NUCLEAR POWER PLANTS, ELECTRIC POWER PRODUCTION
ESTIMATION OF INTERIM REPLACEMENT COSTS OF DUAL-PURPOSE NUCLEAR-ELECTRIC SEA WATER CONVERSION STATIONS.
ORNL-TM-994 18F U67 07 HC$ 3.00 MF$ 0.65

NUCLEAR POWER PLANTS, ELECTROCHEMISTRY
ESTIMATION OF CHEMONUCLEAR PRODUCTION COSTS.
BNL-50086 (T-438) 18L U67 07 HC$ 3.00 MF$ 0.65

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AN EVALUATION OF THE APPLICABILITY OF EXISTING DATA TO THE ANALYTICAL DESCRIPTION OF A NUCLEAR-REACTOR ACCIDENT.
BMI-1779 18I N21 04 HC$ 3.00 MF$ 0.65

NUCLEAR PROPULSION
SLUSH HYDROGEN PRODUCTION, STORAGE, AND DISTRIBUTION STUDY PROGRAM FINAL REPORT, 4 NOV. 1965 - 29 APR. 1966.
N67-15455 21I S05 06 HC$ 3.00 MF$ 0.65

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TRANSIENT RADIATION EFFECTS ON THERMOCOUPLES.
N67-16632 18D S05 06 HC$ 3.00 MF$ 0.65

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TESTS OF THE CONSEQUENCES OF UNITARY SYMMETRY IN HADRON PRODUCTION REACTIONS.
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SHELL MODEL CALCULATION IN THE CALCIUM-ISOTOPES.
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ANOMALY IS SPIN-WAVE SPECTRUM OF MAGNETIC METALS.
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EQUATIONS AND COMPUTER PROGRAM TO CALCULATE THE THERMAL

HISTORY OF A DUAL-LAYERED PLATE SUBJECT TO THE THERMAL PULSE OF A NUCLEAR WEAPON.
AD-645 859 13J U67 07

NUCLEATE BOILING
AN EXPERIMENTAL INVESTIGATION OF BOILING IN NORMAL AND ZERO GRAVITY.
N67-15044 20M S05 06 HC$ 3.00 MF$ 0.65

NUCLEATION, SUPERCONDUCTORS
ON THE BULK (H SUB C2) AND SURFACE (H SUB C3) NUCLEATION FIELDS OF STRONG COUPLING SUPERCONDUCTING ALLOYS.
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MOLECULAR NEUROCHEMISTRY OF THE BRAIN DURING CONDITIONED AVOIDANCE BEHAVIOR.
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MOLECULAR NEUROCHEMISTRY OF THE HIPPOCAMPUS AND OTHER BRAIN SITES DURING CONDITIONED AVOIDANCE BEHAVIOR.
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THE IRON GROUP ELEMENTS AND THE EQUILIBRIUM PROCESS IN NUCLEOSYNTHESIS.
AD-645 789 3R U67 07

NUCLEOSYNTHESIS
INHIBITION OF RNA SYNTHESIS BY ACTINOMYCIN.
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A COMPUTER PROGRAM FOR CALCULATING VELOCITIES AND STREAMLINES FOR TWO-DIMENSIONAL, INCOMPRESSIBLE FLOW IN AXIAL BLADE ROWS.
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N67-15693 1A S05 06 HC$ 3.00 MF$ 0.65

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SMOOTH REGRESSION ANALYSIS.
AD-467 119 12A U67 07 HC$ 3.00 MF$ 0.65

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ON THE EQUIVALENCE OF LINEARIZED KALMAN FILTERS.
AD-645 550 12A U67 07 HC$ 3.00 MF$ 0.65

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AN INITIAL-VALUE METHOD SUITABLE FOR THE COMPUTATION OF CERTAIN FREDHOLM RESOLVENTS.
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NYLON
THE THERMAL CONDUCTION PROCESS IN CARBONACEOUS CHARS.
N67-15556 20M S05 06 HC$ 3.00 MF$ 0.65

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BEHAVIOR OF NOTCHED FIBERS IN LONGITUDINAL TENSION.
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EIGHT CORES FROM THE CENTRAL NORTH PACIFIC.
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SPREADING OF THE OCEAN FLOOR NEW EVIDENCE.
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THE PRESSURE ON THE SEA BOTTOM DUE TO A MOVING PRESSURE DISTRIBUTION.
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SURFACE EVALUATION AND DEFINITION (SUEDE) PROGRAM.
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PILOT MODEL STUDY FOR THE DESIGN OF HILO HARBOR TSUNAMI MODEL HYDRAULIC MODEL INVESTIGATION.
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SELECTION AND DESIGN OF A WAVE GENERATOR FOR THE HILO HARBOR TSUNAMI MODEL HYDRAULIC MODEL INVESTIGATION.
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A CRITICAL TRACKING TASK FOR MAN-MACHINE RESEARCH RELATED TO THE OPERATORS EFFECTIVE DELAY TIME. PART II - EXPERIMENTAL EFFECTS OF SYSTEM INPUT SPECTRA, CONTROL STICK STIFFNESS, AND CONTROLLED ELEMENT ORDER.
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EFFECTS OF MANIPULATOR RESTRAINTS ON HUMAN OPERATOR PERFORMANCE.
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THREE-DIMENSIONAL MAP CONSTRUCTION.
AD-646 405 8B U67 07

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THE EFFECT OF NON-LINEARITIES ON OPTICAL CORRELATION PROCESSING.
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AN ABSTRACT VARIATIONAL THEORY WITH APPLICATIONS TO A BROAD CLASS OF OPTIMIZATION PROBLEMS. I. GENERAL THEORY.
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THE SHORT-PERIOD DRAG PERTURBATIONS OF THE ORBITS OF ARTIFICIAL SATELLITES.
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ORGANOBORANES, POLYMERS
HETEROCHAIN HIGH-MOLECULAR COMPOUNDS. COLLECTION OF ARTICLES SELECTED ARTICLES.
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ORGANOBORANES, SYNTHESIS(CHEMISTRY)
A BORON-PERMETHYL CLOSO-CARBORANE M2C2B5(CH3)5.
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OSCILLATION, BUBBLES
NONLINEAR BUBBLE OSCILLATIONS.

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OSCILLATION, STRUCTURAL SHELLS
THE EQUATIONS OF BENDING OSCILLATIONS OF A CAVITY THAT IS PARTIALLY FILLED WITH FLUID.
AD-646 431 20K U67 07 HC$ 3.00 MF$ 0.65

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HIGH PRESSURE SYNTHESIS OF ARSENOPYRITE-TYPE TERNARY COMPOUNDS.
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OUTER RADIATION BELT
THE OUTERMOST BELT OF CHARGED PARTICLES.
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THE D3/2 NEUTRON SCATTERING RESONANCE IN THE SHELL MODEL OF O16.
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SPECTRAL ABSORPTION COEFFICIENTS OF CARBON, NITROGEN, AND OXYGEN ATOMS.
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TEMPORAL VARIATIONS OF MESOSPHERIC OXYGEN AND OZONE DURING AURORAL EVENTS.
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HANDBOOK OF SELECTED PACIFIC ISLANDS.
AD-646 915 8F U67 07 HC$ 3.00 MF$ 0.65

PACIFIC OCEAN, OCEAN BOTTOM SAMPLING
EIGHT CORES FROM THE CENTRAL NORTH PACIFIC.
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PACIFIC OCEAN, OCEANOGRAPHIC DATA
AN OCEANOGRAPHIC SECTION OFF THE CALIFORNIA COAST FEBRUARY 1966.
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PACKAGING, ABSTRACTS
PROTECTIVE STRUCTURES AND COMPONENTS COMPILATION OF ABSTRACTS.
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PAGEOS
PASSIVE GEODETIC SATELLITE CANISTER ASSEMBLIES.
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DYNAMICS AND STRENGTH OF SHELLS.
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SOME ASPECTS OF CYLINDRICAL SHELL PANEL FLUTTER.
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PARACHUTES, GLIDERS
INVESTIGATION OF DEPLOYMENT AND LANDING LOADS WITH A LIMP PARAGLIDER.
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PARAMAGNETIC RESONANCE, CHROMIUM
FIELD DEPENDENCE OF SPIN-LATTICE RELAXATION TIMES OF CR(3+).
AD-646 822 20L U67 07

PARAMAGNETIC RESONANCE, COPPER
PARAMAGNETIC RESONANCE OF CU(++) MGO AT 1.2K.
AD-646 412 20L U67 07

PARAMAGNETIC RESONANCE, IMPURITIES
ELECTRON PARAMAGNETIC RESONANCE AND OPTICAL STUDIES OF IMPURITY IONS IN SINGLE CRYSTAL HOSTS.
AD-646 754 20B U67 07

PARAMAGNETIC RESONANCE, STRONTIUM COMPOUNDS
MILLIMETER ELECTRON PARAMAGNETIC RESONANCE IN STRONTIUM TITANATE.
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PARAWING
WIND-TUNNEL INVESTIGATION OF THE FLIGHT CHARACTERISTICS OF A MODEL OF AN ASPECT- RATIO-6 CONICAL-PARAWING UTILITY VEHICLE.
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PARTICLE ACCELERATOR TARGETS, ALPHA PARTICLE REACTIONS
SECTIONS EFFICACES DIFFERENTIELLES ELASTIQUES ET INELASTIQUES OBTENUES PAR DIFFUSION DE PARTICULES ALPHA DE 44 MEV SUR DES CIBLES DE 24MG, 25MG, 26MG, 40CA, 46TI, 48TI, 50TI, 52CR, 54FE, 56FE, 58FE, 58NI, 60NI, 62NI, 64NI, 63CU, 65CU, 64ZN, 112SN, 114SN, 116SN, 118SN, 120SN, 122SN, 124SN ET 209BB AU CYCLOTRON A ENERGIE FIXE DE SACLAY.
PB-174 040 20H U67 07 HC$ 3.00 MF$ 0.65

PARTICLE ACCELERATOR TARGETS, HEATING
PROPOSITIONS POUR LE MECHANISME D ECHAUFFEMENT D UN CORPS PAR BOMBARDEMENT ELECTONIQUE (PROPOSALS FOR THE HEATING MECHANISM OF AN ELECTRONICALLY BOMBARDED BODY).
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PARTICLE ACCELERATORS, DESIGN
NONFERROUS ACCELERATOR OF CHARGED PARTICLES.
AD-646 930 20G U67 07 HC$ 3.00 MF$ 0.65

PARTICLE PROPERTY
THEORETICAL INVESTIGATION OF THE ABSORPTIVE PROPERTIES OF SMALL PARTICLES AND HEAVY-ATOM GASES.
N67-16501 20H S05 06 HC$ 3.00 MF$ 0.65

PARTICLE SIZE, COMPUTER PROGRAMS
EVALUATION OF PARTICLE SIZING TECHNIQUES COMPARISON OF COMPUTER PARTICLE SIZING PROGRAMS.
LF-30 6R N21 84 HC$ 3.00 MF$ 0.65

PARTICLE TRAJECTORIES, GALAXIES
STABILITY OF SPIRAL MOTION.
AD-646 848 3B U67 07

PARTICLE TRAJECTORY
THREE-DIMENSIONAL PLASMA ACCELERATION THROUGH AXISYMMETRIC DIVERGING MAGNETIC FIELDS BASED ON DIPOLE MOMENT APPROXIMATION.
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THEORY OF ELECTROSTATIC PLANAR AND SPHERICAL PROBES.
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PARTICLES, INTERACTIONS
QUANTUM-MECHANICAL EXTENSION OF THE LEBOWITZ-PENROSE THEOREM ON THE VAN DER WAALS THEORY.
AD-646 407 20J U67 07

PARTICLES, SCATTERING
MESURE D UN FLUX DE PARTICULES NEUTRES PAR UNE METHODE THERMIQUE METTANT A CONTRIBUTION L EFFET DE TEMPERATURE DES JONCTIONS (MEASUREMENT OF A NEUTRAL PARTICLE FLUX BY A THERMAL METHOD USING THE JUNCTION TEMPERATURE EFFECT).
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PASSENGER VEHICLES, FEASIBILITY STUDIES
PROJECT TUBEFLIGHT. PHASE I. FEASIBILITY STUDY.

PB-174 885 13F U67 07 HC$ 3.00 MF$ 0.65

PASSIVE SATELLITE
ATTITUDE STABILITY OF A SPINNING PASSIVE ORBITING SATELLITE.
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A PATENT COPY DOCUMENT SYSTEM FOR THE STORAGE, RETRIEVAL, DUPLICATION AND DISPLAY OF U. S. PATENTS.
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PATTERN RECOGNITION
TACTUAL PERCEPTION - EXPERIMENTS AND MODELS.
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PATTERN RECOGNITION, DISPLAY SYSTEMS
MATERIALS STUDY FOR VISUAL TRANSFORMATION DEVICES.
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PATTERN RECOGNITION, THEOREMS
A GENERALIZATION OF THE MOTZKIN THEOREM.
AD-645 926 12B U67 07 HC$ 3.00 MF$ 0.65

PAYLOAD
STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME II - SCIENTIFIC PAYLOAD DEFINITION STUDIES FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15576 22A S05 06 HC$ 3.00 MF$ 0.65

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MULTIVARIABLE ANALYSIS OF THE MECHANICS OF PENETRATION OF HIGH SPEED PARTICLES.
N67-15664 20K S05 06 HC$ 3.00 MF$ 0.65

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FEASIBILITY STUDY OF PROPOSED KEYSER VALLEY INDUSTRIAL PARK.
PB-174 060 5C U67 07 HC$ 3.00 MF$ 0.65

PEPTIDE HYDROLASES, FISHES
PANCREATIC ENZYMES OF THE SPINY PACIFIC DOGFISH. II. PROCARBOXYPEPTIDASE B AND CARBOXYPEPTIDASE B.
AD-645 827 6A U67 07

PERCEPTION(PSYCHOLOGY), GROUP DYNAMICS
PEER RATINGS FOR EXTREME PERFORMERS IN DISCUSSION GROUPS.
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COMPARISON OF ROLE DIFFERENTIATION IN SEVERAL SITUATIONS.
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PERCEPTION OF LEADERSHIP IN SMALL GROUPS.
AD-645 769 5J U67 07 HC$ 3.00 MF$ 0.65

PERFORATED PLATE
THEORY OF THE THREE-DIMENSIONAL STRESS STATE IN A PLATE WITH A HOLE.
N67-15692 20K S05 06 HC$ 3.00 MF$ 0.65

PERFORMANCE CHARACTERISTICS
HOVERING PERFORMANCE CHARACTERISTICS OF A ROTOR WITH AND WITHOUT BLADE-PITCH SERVO-CONTROL FLAPS.
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TURBINE RESEARCH PACKAGE FOR RESEARCH AND DEVELOPMENT OF HIGH PERFORMANCE AXIAL FLOW TURBINE-COMPRESSOR FINAL REPORT.
N67-15965 10A S05 06 HC$ 3.00 MF$ 0.65

PERFORMANCE PREDICTION
MODEL OF HUMAN OPERATOR RESPONSE TO STEP TRANSITIONS IN CONTROLLED ELEMENT DYNAMICS.
N67-15011 5H S05 06 HC$ 3.00 MF$ 0.65

PROJECT DIODE RELIABILITY PREDICTION TECHNIQUE .
N67-15670 14D S05 06 HC$ 3.00 MF$ 0.65

PERFORMANCE(ENGINEERING), STRUCTURES
PERFORMANCE CONCEPTS FOR BUILDING TECHNOLOGY.
PB-174 096 13M U67 07 HC$ 3.00 MF$ 0.65

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METHODS FOR PERFORMANCE-TESTING OF ELECTROMECHANICAL PRESSURE TRANSDUCERS.
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PERFORMANCE(HUMAN), ATTITUDES
GOALS AND INTENTIONS AS DETERMINANTS OF PERFORMANCE LEVEL. TASK CHOICE AND ATTITUDES.
AD-645 392 5J U67 07 HC$ 3.00 MF$ 0.65

PERFORMANCE(HUMAN), FLIGHT SIMULATORS
THE MANEUVERING TACTICS TRAINER.
AD-645 774 5I U67 07 HC$ 3.00 MF$ 0.65

PERFORMANCE(HUMAN), TRACKING
PURSUIT ROTOR PERFORMANCE II. EFFECTS OF REINFORCING SUCCESSIVELY LONGER INTERVALS OF CONTINUOUS TRACKING OVER PRACTICE SESSIONS.
AD-645 799 5J U67 07 HC$ 3.00 MF$ 0.65

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THE MECHANICAL BEHAVIOR OF STRONTIUM ZIRCONATE.
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ITEM RESPONSE CHARACTERISTICS IN ATTITUDE AND PERSONALITY MEASUREMENT A REACTION TO L. G. ROPER S THE GREAT RESPONSE-STYLE MYTH .
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A BIOGRAPHICAL INFORMATION RETRIEVAL PROGRAM.
AD-646 845 5A U67 07 HC$ 3.00 MF$ 0.65

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TWO-DIMENSIONAL UNSTEADY FLOW IN A TRAVELING WAVE PLASMA ACCELERATOR.
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PERTURBATION THEORY, MOMENTUM
DYNAMICS AT INFINITE MOMENTUM.
AD-646 409 20J U67 07

PERTURBATION THEORY, SYNCHROTRONS
RF PERTURBATION MEASUREMENTS IN LONG LINAC CAVITIES, FROM LINEAR ACCELERATOR CONFERENCE, LOS ALAMOS, N. MEX.
MURA-723 20G N21 04 HC$ 3.00 MF$ 0.65

PESTICIDES, GAS CHROMATOGRAPHY
WATER PESTICIDES NO. 1. STUDY NUMBER 24.
PB-173 984 6F U67 07 HC$ 3.00 MF$ 0.65

PETROGRAPHY
DEVELOPMENT OF TECHNOLOGICAL CONCEPTS LEADING TO THE BENEFICIAL USE OF LUNAR MAGMA PRODUCTS TECHNICAL PROGRESS REPORT, OCT. - DEC. 1966.
N67-16619 3B S05 06 HC$ 3.00 MF$ 0.65

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ENGINEERING CLASSIFICATION AND INDEX PROPERTIES FOR INTACT ROCK.
AD-646 610 8G U67 07 HC$ 3.00 MF$ 0.65

PETROLEUM, CHROMATOGRAPHIC ANALYSIS
IDENTIFICATION AND CHARACTERIZATION OF PETROLEUM FUELS USING TEMPERATURE-PROGRAMMED GAS-LIQUID CHROMATOGRAPHY.
AD-646 382 21D U67 07 HC$ 3.00 MF$ 0.65

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IMP D-E (AIMP) PFM ENCODING SYSTEM INTERFACE DOCUMENT.
N67-16674 9D S05 06 HC$ 3.00 MF$ 0.65

PHASE LOCK DEMODULATOR
ADVANCED THRESHOLD REDUCTION TECHNIQUES STUDY.
N67-16668 9F S05 06 HC$ 3.00 MF$ 0.65

PHASE STUDIES, FERROMAGNETIC MATERIALS
POSSIBILITY OF A PHASE TRANSITION FOR THE TWO DIMENSIONAL HEISENBERG MODEL.
AD-646 485 20C U67 07

PHASE TRANSFORMATION
DETERMINATION OF THE DIFFUSION COEFFICIENTS IN ALLOYS WITH SEVERAL PHASES.
N67-16502 7D S05 06 HC$ 3.00 MF$ 0.65

PHASED ARRAYS, ANTENNA FEEDS
A THEORETICAL STUDY OF A MULTI-ELEMENT SCANNING FEED SYSTEM FOR A PARABOLIC CYLINDER.
AD-646 491 9E U67 07

PHENOL
RESEARCH IN PHOTOSYNTHESIS QUARTERLY REPORT, JUN. 6 - SEP. 6, 1966.
N67-16613 6A S05 06 HC$ 3.00 MF$ 0.65

PHENOLIC PLASTICS, THERMOGRAVIMETRIC ANALYSIS
THERMOGRAVIMETRY OF PHENOL-FORMALDEHYDE POLYCONDENSATES.
AD-646 897 7D U67 07 HC$ 3.00 MF$ 0.65

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A STUDY TOWARD DEVELOPMENT OF AN AUTOMATED MICROBIAL METABOLISM LABORATORY MONTHLY PROGRESS REPORT.
N67-16583 6H S05 06 HC$ 3.00 MF$ 0.65

PHOSPHOLIPIDS, METABOLISM
EFFECT OF THE ANTIMALARIAL CHLOROQUINE ON THE PHOSPHOLIPID METABOLISM OF AVIAN MALARIA AND HEART TISSUE.
AD-646 504 6D U67 07

PHOSPHORESCENCE, HYDROCARBONS
EFFECTS OF HIGH PRESSURES ON THE PHOSPHORESCENCE OF AROMATIC HYDROCARBONS.
AD-646 739 7D U67 07 HC$ 3.00 MF$ 0.65

PHOSPHORUS COMPOUND
A RADIOCHEMICAL TECHNIQUE TO STUDY THE SOLVENT TRANSFER REACTION IN THE POLYMERISATION OF TETRAHYDROFURAN BY PHOSPHORUS PENTAFLUORIDE.
N67-16074 7E S05 06 HC$ 3.00 MF$ 0.65

PHOSPHORUS COMPOUNDS, SYNTHESIS
BASIC RESEARCH ON SYNTHESIS OF NEW PHOSPHORUS-NITROGEN REAGENTS.
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PHOSPHORUS, POLYESTER PLASTICS
A METHOD OF PRODUCING PHOSPHORUS-CONTAINING POLYESTERS.
AD-646 711 11I U67 07 HC$ 3.00 MF$ 0.65

PHOTOCHEMISTRY
EXPERIMENTAL AND THEORETICAL STUDIES IN PLANETARY AERONOMY QUARTERLY PROGRESS REPORT, 17 SEP. - 30 NOV. 1966.
N67-16515 3B S05 06 HC$ 3.00 MF$ 0.65

PHOTOCHEMISTRY, MONOCYCLIC COMPOUNDS
THE REACTION OF MOLECULES IN EXCITED ELECTRONIC STATES WITH PARAMAGNETIC GASES.
AD-646 673 7E U67 07 HC$ 3.00 MF$ 0.65

PHOTOCONDUCTOR
BEAM ALIGNMENT TECHNIQUES BASED ON THE CURRENT MULTIPLICATION EFFECT IN PHOTOCONDUCTORS SUMMARY TECHNICAL

PROGRESS REPORT.
N67-15054 17B S05 06 HC$ 3.00 MF$ 0.65

PHOTOELASTIC STRESS MEASUREMENT
DEVELOPMENT AND APPLICATION OF A PHOTOELASTO- PLASTIC METHOD TO STUDY STRESS DISTRIBUTIONS IN VICINITY OF A SIMULATED CRACK.
N67-16663 20K S05 06 HC$ 3.00 MF$ 0.65

PHOTOGRAPH INTERPRETATION
COMMUNICATIONS OF THE LUNAR AND PLANETARY LABORATORY, NOS. 58-59.
N67-15400 3A S05 06 HC$ 3.00 MF$ 0.65

PHOTOGRAPHIC EQUIPMENT, LOW FREQUENCY
DEVICE FOR LOW-FREQUENCY PHOTOGRAPHY,
AD-645 379 14E U67 07 HC$ 3.00 MF$ 0.65

PHOTOMETERS, SATELLITES(ARTIFICIAL)
EXPOSURE PREDICTIONS FOR GEODETIC SATELLITE PHOTOGRAPHY BY STELLAR PHOTOMETRY,
AD-645 878 22D U67 07 HC$ 3.00 MF$ 0.65

PHOTOSYNTHESIS
RESEARCH IN PHOTOSYNTHESIS QUARTERLY REPORT, JUN. 6 - SEP. 6, 1956.
N67-15613 6A S05 06 HC$ 3.00 MF$ 0.65

PHOTOVOLTAIC CELL
RESEARCH AND DEVELOPMENT IN CD S PHOTOVOLTAIC CELLS FINAL REPORT, 28 JUN. 1965 - 27 JUN. 1966.
N67-16562 10A S05 06 HC$ 3.00 MF$ 0.65

PHYSICS
PHYSICS OF COMETS AND METEORS.
N67-15441 3R S05 06 HC$ 3.00 MF$ 0.65

PHYSIOLOGY, AUDITORY PERCEPTION
INFLUENCE OF TIME ON TASK AND FALSE INFORMATION ON EFFICIENCY OF RESPONDING TO PURE TONES,
AD-249 802 5E U67 07 HC$ 3.00

PIGMENTS, CARBON
DETERMINATION OF CARBON BLACK IN HIGH GLOSS ENAMELS AND LACQUERS.
AD-645 381 11C U67 07 HC$ 3.00 MF$ 0.65

PILOTS, ADAPTATION(PHYSIOLOGY)
EXPOSURE OF MEN TO INTERMITTENT PHOTIC STIMULATION UNDER SIMULATED IFR CONDITIONS,
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PILOTS, PERFORMANCE TESTS
PREDICTORS OF PERFORMANCE - BEHAVIORAL AND PHYSIOLOGICAL MEASURES.
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PILOTS, PERFORMANCE(HUMAN)
HUMAN PILOT DYNAMIC RESPONSE IN SINGLE-LOOP SYSTEMS WITH COMPENSATORY AND PURSUIT DISPLAYS.
AD-648 652 5I U67 07 HC$ 3.00 MF$ 0.65

PILOTS, REACTION(PSYCHOLOGY)
IN-FLIGHT MEASUREMENT OF HUMAN RESPONSE CHARACTERISTICS,
AD-645 493 5J U67 07 HC$ 3.00 MF$ 0.65

PILOTS, STRESS(PHYSIOLOGY)
PHYSIOLOGICAL RESPONSES OF PILOTS TO SEVERE WEATHER FLYING,
AD-645 871 6S U67 07 HC$ 3.00 MF$ 0.65

PIONS, INTERACTIONS
CURRENT-COMMUTATOR CALCULATION OF THE KL4 FORM FACTORS,
AD-645 410 20J U67 07

PIONS, MESON REACTIONS
PRODUCTION DE L ISOBARE N33*** ET INTERACTION PION + PION DANS L ETAT D ISOSPIN I=2, ETUDIEES DANS LA REACTION PI-MINUS + P TO P + PI+PLUS + PI-MINUS + PI-MINUS A 2, 75 GEV/C (N33*** ISOBAR PRODUCTION AND ISOPIN 2 PION-PION INTERACTION STUDIED IN THE REACTION PI-MINUS + P TO P+ PI-PLUS + PI-MINUS + PI-MINUS AT 2.75 GEV/C),
PB-174 031 20H U67 07 HC$ 3.00 MF$ 0.65

PITUITARY HORMONES, BODY FLUIDS
EVALUATION OF IMMUNOASSAY METHODS FOR PROLACTIN IN BODY FLUIDS,
AD-646 432 6A U67 07 HC$ 3.00 MF$ 0.65

PLANETARY ATMOSPHERE
EXPERIMENTAL AND THEORETICAL STUDIES IN PLANETARY AERONOMY QUARTERLY PROGRESS REPORT, 17 SEP. - 30 NOV. 1966.
N67-15515 3B S05 06 HC$ 3.00 MF$ 0.65

PLANETARY EXPLORATION
ESTIMATION OF PLANETARY CONTAMINATION PROBABILITIES DUE TO FLIGHT OF THE U. S. S. R. VENUS 3.
N67-15512 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION VOLUME I - SUMMARY FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15575 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME III - SYSTEM ENGINEERING STUDIES FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15577 22A S05 06 HC$ 3.00 MF$ 0.65

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N67-16578 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME V - EXOBIOLOGY BIBLIOGRAPHY FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-16579 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME VI - TECHNICAL APPENDICES. PART 1 FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-16580 22A S05 06 HC$ 3.00 MF$ 0.65

PLASMA ACCELERATION
THREE-DIMENSIONAL PLASMA ACCELERATION THROUGH AXISYMMETRIC DIVERGING MAGNETIC FIELDS BASED ON DIPOLE MOMENT APPROXIMATION.
N67-15663 20I S05 06 HC$ 3.00 MF$ 0.65

PLASMA ACCELERATOR
TWO-DIMENSIONAL UNSTEADY FLOW IN A TRAVELING WAVE PLASMA ACCELERATOR.
N67-16558 20I S05 06 HC$ 3.00 MF$ 0.65

PLASMA ELECTRODE
CALCULATION OF THE EFFECT OF VISCOUS DRAG ON THE PERFORMANCE OF A COAXIAL PLASMA GUN.
N67-15960 20I S05 06 HC$ 3.00 MF$ 0.65

PLASMA ENGINES, FEASIBILITY STUDIES
POWER ADDITION AND EXTRACTION FROM GAS FLOW BY MEANS OF ELECTRIC WIND.
N65-84242 21C U67 07 HC$ 3.00 MF$ 0.65

PLASMA GENERATORS, ELECTRIC FIELDS
THE EFFECTS OF PARTIAL CONDENSATION AROUND IONS IN ELECTRIC FLUID DYNAMIC ENERGY CONVERSION PROCESSES.
AD-646 740 19B U67 07 HC$ 3.00 MF$ 0.65

PLASMA MEDIUM, ANALYSIS
EXPERIMENTS ON THE APPLICATION OF ELECTRON SCATTERING TO PLASMA DIAGNOSTICS,
AD-646 611 20I U67 07 HC$ 3.00 MF$ 0.65

PLASMA MEDIUM, DIFFUSION
PROPAGATION ET DIFFUSION D UNE COLONNE DE PLASMA DANS UN CHAMP MAGNETIQUE (PROPAGATION AND DIFFUSION OF A PLASMA COLUMN IN A MAGNETIC FIELD),
PB-174 037 20I U67 07 HC$ 3.00 MF$ 0.65

PLASMA MEDIUM, ELECTRICAL CONDUCTANCE
ELECTRICAL CONDUCTIVITY OF A PLASMA.
AD-646 672 20I U67 07 HC$ 3.00 MF$ 0.65

PLASMA MEDIUM, ENERGY
DETECTION ET ANALYSE DES PARTICULES CHARGEES ET NEUTRES APPLIQUEES A L ETUDE DES PLASMAS CHAUDS (DETECTION AND ANALYSIS OF NEUTRAL AND CHARGED PARTICLES APPLIED TO THE STUDY OF HOT PLASMAS),
PB-174 036 20I U67 07 HC$ 3.00 MF$ 0.65

PLASMA MEDIUM, HIGH-SPEED PHOTOGRAPHY
CINEMATOGRAPHIE DE PHENOMENES TRANSITOIRES FAIBLEMENT LUMINEUX A L AIDE D AMPLIFICATEURS DE LUMINANCE (CINEMATOGRAPHY OF WEAKLY-LUMINOUS TRANSIENT PHENOMENA USING IMAGE CONVERTERS),
PB-174 046 14R U67 07 HC$ 3.00 MF$ 0.65

PLASMA MEDIUM, PHYSICAL PROPERTIES
RESEARCH STUDIES OF HIGH-DENSITY PLASMAS,
AD-646 889 20I U67 07 HC$ 3.00 MF$ 0.65

PLASMA MEDIUM, PROPAGATION
A COMPARISON OF SEVERAL APPROXIMATIONS FOR THE DETERMINATION OF PLASMA LAYER PROPERTIES FROM THE MEASURED ELECTROMAGNETIC TRANSMISSION COEFFICIENT,
AD-432 026 17D U67 07 HC$ 3.00

PLASMA MEDIUM, THERMAL PROPERTIES
ELECTRON-HEAVY PARTICLE NONEQUILIBRIUM IN A DENSE ARGON PLASMA,
AD-646 891 20I U67 07 HC$ 3.00 MF$ 0.65

PLASMA PHYSICS
VAN ALLEN BELT PLASMA PHYSICS.
N67-16511 4A S03 06 HC$ 3.00 MF$ 0.65

PLASMA PHYSICS, HYDROGEN
ELECTRON RECOMBINATION IN LASER-PRODUCED HYDROGEN PLASMA.
AD-646 476 20I U67 07

PLASMA PROBE
THEORY OF ELECTROSTATIC PLANAR AND SPHERICAL PROBES.
N67-16671 4A S05 06 HC$ 3.00 MF$ 0.65

PLASMA STABILITY
INTERACTION BETWEEN ION BEAMS AND PLASMAS.
N67-16618 20I S05 06 HC$ 3.00 MF$ 0.65

PLASMA SUBSTITUTES, SHOCK(PATHOLOGY)
EFFECT OF HYDROXYETHYL STARCH ON PLASMA VOLUME AND HEMATOCRIT FOLLOWING HEMORRHAGIC SHOCK IN DOGS. COMPARISON WITH DEXTRAN, PLASMA, AND RINGER S,
AD-646 505 6E U67 07

PLASMIN, INHIBITION
INFLUENCE OF SEX AND THYROID PRINCIPLES ON THE ANTIPROTEOLYTIC ACTIVITY OF RAT SERUM,
AD-646 697 6A U67 07

PLASTIC COATINGS, EXTRUSION
MEASURING PERFORMANCE OF AN EIGHT-INCH CABLE SHEATHING

EXTRUDER,
AD-645 526 13I U67 07 HC$ 3.00 MF$ 0.65

PLASTIC COATINGS, ULTRAVIOLET SPECTROSCOPY
DETECTION OF ROSIN, ROSIN DERIVATIVES, AND PHENOLIC RESIN MODIFICATIONS IN ALKYD COATINGS USING ULTRAVIOLET SPECTROPHOTOMETRY.
AD-645 383 11C U67 07 HC$ 3.00 MF$ 0.65

PLASTIC DEFORMATION
PLASTIC BUCKLING OF AXIALLY COMPRESSED ECCENTRICALLY STIFFENED CYLINDERS.
N67-15662 20K S05 06 HC$ 3.00 MF$ 0.65

PLASTIC MATERIAL
DEVELOPMENT AND APPLICATION OF A PHOTOELASTO- PLASTIC METHOD TO STUDY STRESS DISTRIBUTIONS IN VICINITY OF A SIMULATED CRACK.
N67-15663 20K S05 06 HC$ 3.00 MF$ 0.65

PLASTICITY, THEORY
A VARIATIONAL PROBLEM IN THE THEORY OF PLASTICITY,
AD-645 423 20K U67 07 HC$ 3.00 MF$ 0.65

PLASTICS, THERMAL PROPERTIES
CABLE INSULATION THERMAL LIFE STUDIES,
AD-645 548 9A U67 07 HC$ 3.00 MF$ 0.65

PLATE THEORY
ON THE DUALITY BETWEEN THE PROBLEMS OF STRETCHING AND OF BENDING OF PLATES, 16 MARCH - 15 SEPTEMBER 1966.
N67-15671 20K S05 06 HC$ 3.00 MF$ 0.65

THEORY OF THE THREE-DIMENSIONAL STRESS STATE IN A PLATE WITH A HOLE,
N67-15692 20K S05 06 HC$ 3.00 MF$ 0.65

PLUTONIUM, ION EXCHANGE
PROCESSING OF PLUTONIUM BY ION EXCHANGE. VIII. SELF-DIFFUSION STUDIES IN ANION-EXCHANGE RESIN,
LA-3534 7A U67 07 HC$ 1.00 MF$ 0.50

PLUTONIUM, OXIDATION
THE RESTRICTED RELEASE OF PLUTONIUM,
RFP-799 18J U67 07 HC$ 3.00 MF$ 0.65

PLUTONIUM, PHASE STUDIES
ETUDE DES TRANSFORMATIONS ALLOTROPIQUES DU PLUTONIUM (STUDY OF ALLOTROPIC TRANSFORMATIONS IN PLUTONIUM).
PB-174 029 11F U67 07 HC$ 3.00 MF$ 0.65

PLYWOOD, FLAMMABILITY
EFFECT OF PANEL THICKNESS AND NONCOMBUSTIBLE INSERTS ON SURFACE FLAMMABILITY OF PLYWOOD.
AD-645 566 11L U67 07 HC$ 3.00 MF$ 0.65

POLONIUM, DECAY SCHEMES
WEAK ALPHA AND ELECTRON-CAPTURE DECAY IN 208 PO AND 209 PO,
MLM-1351 20H N21 04 HC$ 3.00 MF$ 0.65

POLYAMIDE PLASTICS, ORGANIC PHOSPHORUS COMPOUNDS
HETEROCHAIN HIGH-MOLECULAR COMPOUNDS. COLLECTION OF ARTICLES SELECTED ARTICLES,
AD-645 447 11I U67 07 HC$ 3.00 MF$ 0.65

POLYCRYSTAL
CHARACTERIZATION OF CERAMIC MATERIALS FOR MICROELECTRONIC APPLICATIONS SUMMARY REPORT NO. 1, 23 NOV. 1965 - 23 NOV. 1966.
N67-15566 20L S05 06 HC$ 3.00 MF$ 0.65

POLYESTER PLASTICS, ORGANIC PHOSPHORUS COMPOUNDS
HETEROCHAIN HIGH-MOLECULAR COMPOUNDS. COLLECTION OF ARTICLES SELECTED ARTICLES,
AD-645 447 11I U67 07 HC$ 3.00 MF$ 0.65

POLYESTER PLASTICS, PRODUCTION
A METHOD OF PRODUCING PHOSPHORUS-CONTAINING POLYESTERS,
AD-645 711 11I U67 07 HC$ 3.00 MF$ 0.65

POLYETHYLENE PLASTICS, CRACKS
EFFECT OF EXTRUDER TEMPERATURE PROFILES ON STRESS-CRACK RESISTANCE OF A POLYETHYLENE SHEATHING COMPOUND,
AD-645 527 11I U67 07 HC$ 3.00 MF$ 0.65

POLYETHYLENE PLASTICS, CROSSLINKING(CHEMISTRY)
DEGREE AND RATE OF CROSSLINKING OF CROSS LINKED POLYETHYLENE,
AD-645 531 11I U67 07 HC$ 3.00 MF$ 0.65

POLYETHYLENE PLASTICS, DEGRADATION
UNDERWATER DEGRADATION OF POLYETHYLENE FOR WIRE INSULATION,
AD-645 545 11I U67 07 HC$ 3.00 MF$ 0.65

POLYETHYLENE PLASTICS, TESTS
A REVIEW OF POLYOLEFIN TEST REQUIREMENTS IN WIRE AND CABLE SPECIFICATIONS,
AD-645 547 9A U67 07 HC$ 3.00 MF$ 0.65

POLYETHYLENE PLASTICS, THERMAL STABILITY
THERMAL STABILITY OF CROSS-LINKED POLYETHYLENE,
AD-645 549 11I U67 07 HC$ 3.00 MF$ 0.65

POLYMER
POLYMERS FOR SPACECRAFT HARDWARE - MATERIALS CHARACTERIZATION, PART I INTERIM REPORT, MAR. - DEC. 1966.
N67-15695 22B S05 06 HC$ 3.00 MF$ 0.65

POLYMER PHYSICS
GLASS TRANSITION PHENOMENA SEMIANNUAL STATUS REPORT.
N67-15881 11B S05 06 HC$ 3.00 MF$ 0.65

POLYMERIZATION
A RADIOCHEMICAL TECHNIQUE TO STUDY THE SOLVENT TRANSFER REACTION IN THE POLYMERISATION OF TETRAHYDROFURAN BY PHOSPHORUS PENTAFLUORIDE.
N67-16074 7E S05 06 HC$ 3.00 MF$ 0.65

POLYMERIZATION, SYNTHETIC RUBBER
SOLUTION POLYMERIZED BUTADIENE/STYRENE RUBBERS FOR WIRE AND CABLE APPLICATIONS,
AD-646 535 11J U67 07 HC$ 3.00 MF$ 0.65

POLYTETRAFLUOROETHYLENE
STUDIES OF LOW AND HIGH TEMPERATURE CAGE MATERIALS,
N67-16042 13H S05 06 HC$ 3.00 MF$ 0.65

POROUS MATERIAL
PROGRAM OF ANALYTICAL AND EXPERIMENTAL STUDY OF POROUS METAL IONIZERS, VOLUME I SUMMARY REPORT, 5 APR. 1965 - 5 MAY 1966.
N67-16572 11F S05 06 HC$ 3.00 MF$ 0.65

POROUS MATERIALS, DEFORMATION
SMALL MOTIONS SUPERPOSED ON LARGE STATIC DEFORMATIONS IN POROUS MEDIA.
AD-646 910 20K U67 07 HC$ 3.00 MF$ 0.65

POROUS MATERIALS, MATHEMATICAL MODELS
THE USE OF STATISTICAL COMMUNICATION THEORY FOR CHARACTERIZATION OF POROUS MEDIA,
AD-646 695 12B U67 07

POTASSIUM, CHEMICAL ANALYSIS
POTASSIUM AND CREATININE AS INDEXES OF MUSCLE AND NONMUSCLE PROTEIN IN RATS.
AD-646 886 6P U67 07

POTENTIAL FLOW
FLUTTER ANALYSIS OF FLAT RECTANGULAR PANELS BASED ON THREE-DIMENSIONAL SUPERSONIC UNSTEADY POTENTIAL FLOW.
N67-16675 20D S05 06 HC$ 3.00 MF$ 0.65

POWDER METALLURGY, NON-DESTRUCTIVE TESTING
INVESTIGATION OF RESONANT BEAM AND ULTRASONIC METHODS FOR THE EVALUATION OF SINTERED POWDER STEEL COMPACTS,
AD-646 580 11F U67 07 HC$ 3.00 MF$ 0.65

POWER REACTOR
TRANSIENT RADIATION EFFECTS ON THERMOCOUPLES.
N67-16632 18D S05 06 HC$ 3.00 MF$ 0.65

POWER REACTORS, REACTOR FUELS
PHYSICS SURVEY CALCULATIONS FOR A PUO2-UO2 FUEL IN IDEALIZED H2O POWER REACTORS,
BNWL-305 18J N21 04 HC$ 3.00 MF$ 0.65

POWER SERIES, APPROXIMATION(MATHEMATICS)
ESTIMATES OF THE REMAINDERS OF WILL S SERIES,
AD-646 449 3C U67 07 HC$ 3.00 MF$ 0.65

PREDICTION THEORY
QUANTUM MECHANICAL STUDY OF MOLECULES - PREDICTION OF THE GROUND, IONIZED AND EXCITED STATES OF THE UNKNOWN NF MOLECULE.
N67-15668 20L S05 06 HC$ 3.00 MF$ 0.65

PRESSURE DISTRIBUTION
EXPERIMENTAL FLOW FIELD AND HEAT-TRANSFER INVESTIGATION OF SEVERAL TENSION SHELL CONFIGURATIONS AT A MACH NUMBER OF 8.
N67-15665 20D S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE PRESSURE DISTRIBUTION ON OSCILLATING PANELS IN LOW SUPERSONIC FLOW WITH TURBULENT BOUNDARY LAYER.
N67-16669 20D S05 06 HC$ 3.00 MF$ 0.65

PRESSURE DROP
STUDY OF PRESSURE LOSSES IN TUBING AND FITTINGS QUARTERLY PROGRESS REPORT, DEC. 1965 - FEB. 1966.
N67-15844 20D S05 06 HC$ 3.00 MF$ 0.65

PRESSURE GRADIENT
COMPARISON OF EXPERIMENTAL DATA AND SEMIEMPIRICAL CALCULATIONS FOR AN INCOMPRESSIBLE TURBULENT BOUNDARY LAYER WITH A PRESSURE GRADIENT.
N67-15552 20D S05 06 HC$ 3.00 MF$ 0.65

PRESSURE OSCILLATION
MECHANICAL ABSORPTION OF ACOUSTIC OSCILLATIONS IN SIMULATED ROCKET COMBUSTION CHAMBERS.
N67-16690 21B S05 06 HC$ 3.00 MF$ 0.65

PRESSURE VESSELS, TRANSPARENT PANELS
WINDOWS FOR EXTERNAL OF INTERNAL HYDROSTATIC PRESSURE VESSELS. PART I. CONICAL ACRYLIC WINDOWS UNDER SHORT-TERM PRESSURE APPLICATION.
AD-646 882 13M U67 07 HC$ 3.00 MF$ 0.65

PRESSURIZED SUIT
FULL PRESSURE SUIT HEAT BALANCE STUDIES.
N67-15830 6Q S05 06 HC$ 3.00 MF$ 0.65

PRESSURIZED WATER REACTORS, CONTROL SYSTEMS
NUCLEAR DESALINATION DUAL-PURPOSE PLANT CONTROL STUDIES.
ORNL-TM-1618 PART 1 18I N21 04 HC$ 3.00 MF$ 0.65

PRIMARY CELLS, AMMONIA
FC-2 LIQUID AMMONIA RESERVE BATTERY STATUS OF PROTOTYPE STUDY,
AD-646 636 10C U67 07 HC$ 3.00 MF$ 0.65

PRINTING, EFFECTIVENESS
SURVEY OF RESEARCH ON TYPOGRAPHICAL EFFECTIVENESS.

AD-646 437 14E U67 07 HC$ 3.00 MF$ 0.65

PROBABILITY, DECISION THEORY
RISK, AMBIGUITY, AND THE SAVAGE AXIOMS,
AD-645 719 12A U67 07 HC$ 3.00 MF$ 0.65

PROBABILITY, ECONOMICS
A CHANCE-CONSTRAINED APPROACH TO CAPITAL BUDGETING WITH PORTFOLIO TYPE PAYBACK AND LIQUIDITY CONSTRAINTS AND HORIZON POSTURE CONTROLS.
AD-645 723 5C U67 07 HC$ 3.00 MF$ 0.65

PROBES, LAMINAR BOUNDARY LAYER
STANTON TUBE CALIBRATION IN A LAMINAR BOUNDARY LAYER AT MACH 6,
AD-645 707 20D U67 07

PROGRAMMED INSTRUCTION, ELECTRONIC TECHNICIANS
TRAINING CORRECTIVE MAINTENANCE PERFORMANCE ON ELECTRONIC EQUIPMENT WITH CAI TERMINALS I. A FEASIBILITY STUDY.
AD-645 651 5I U67 07 HC$ 3.00 MF$ 0.65

PROGRAMMED INSTRUCTION, LEADERSHIP
AUTOMATION OF A PORTION OF NCO LEADERSHIP PREPARATION TRAINING.
AD-645 771 5I U67 07 HC$ 3.00 MF$ 0.65

PROGRAMMED INSTRUCTION, TRANSISTORS
DEVELOPMENT AND EXPERIMENTAL EVALUATION OF AN AUTOMATED MULTI-MEDIA COURSE ON TRANSISTORS.
AD-645 671 5I U67 07 HC$ 3.00 MF$ 0.65

PROGRAMMING LANGUAGES, GRAPHICS
DIALOG - A CONVERSATIONAL PROGRAMMING SYSTEM WITH A GRAPHICAL ORIENTATION.
AD-645 857 9R U67 07 HC$ 3.00 MF$ 0.65

PROGRAMMING(COMPUTERS), INPUT-OUTPUT DEVICES
ORNL VERSION OF THEME 1 CODE A THERMAL-HYDRAULIC CODE FOR ANALYSIS OF THE HOT CHANNEL IN A FUEL BUNDLE.
ORNL-4015 18I N21 04 HC$ 3.00 MF$ 0.65

PROJECTILE PENETRATION
MULTIVARIABLE ANALYSIS OF THE MECHANICS OF PENETRATION OF HIGH SPEED PARTICLES.
N67-15664 20K S05 06 HC$ 3.00 MF$ 0.65

PROJECTILES, DRAG
REDUCTION OF DRAG OF A PROJECTILE IN A SUPERSONIC STREAM BY THE COMBUSTION OF HYDROGEN IN THE TURBULENT WAKE,
AD-645 435 20D U67 07 HC$ 3.00 MF$ 0.65

PROMETHIUM, RADIOACTIVE DECAY
DECAY CHARACTERISTICS OF PM146,
AD-645 588 18H U67 07 HC$ 3.00 MF$ 0.65

PROPAGATION, DIPOLE ANTENNAS
UTILIZATION OF THE RECIPROCITY THEOREM TO DETERMINE THE NEAR FIELD AIR-TO-SURSURFACE PROPAGATION FORMULAS.
AD-645 855 20N U67 07 HC$ 3.00 MF$ 0.65

PROPELLANT SENSITIVITY
EXPLOSIVE SAFETY EXECUTIVE LECTURE SERIES FINAL REPORT.
N67-15981 13L S05 06 HC$ 3.00 MF$ 0.65

PROPELLANT STORAGE
OUTGASSING RATES OF TWO SOLID ROCKET FUELS IN VACUUM.
N67-15959 21I S05 06 HC$ 3.00 MF$ 0.65

PROPELLANT TANK
SELF-EVACUATED MULTILAYER INSULATION OF LIGHTWEIGHT PREFABRICATED PANELS FOR CRYOGENIC SPACE PROPULSION VEHICLES.
N67-15046 22B S05 06 HC$ 3.00 MF$ 0.65

PROPULSION SYSTEM
THREE-DIMENSIONAL PLASMA ACCELERATION THROUGH AXISYMMETRIC DIVERGING MAGNETIC FIELDS BASED ON DIPOLE MOMENT APPROXIMATION.
N67-15663 20I S05 06 HC$ 3.00 MF$ 0.65

DESIGN, DEVELOPMENT, FABRICATION, TEST AND DELIVERY OF ELECTROTHERMAL ENGINE SYSTEMS SEMIANNUAL REPORT, DEC. 1965 - JUN. 1966.
N67-15677 21H S05 06 HC$ 3.00 MF$ 0.65

NON-CHEMICAL SPACE PROPULSION.
N67-15047 21H S05 06 HC$ 3.00 MF$ 0.65

PROPULSION, TRANSPORTATION
AERODYNAMIC DRAG ON VEHICLES IN ENCLOSED GUIDEWAYS,
PB-173 646 13F U67 07 HC$ 3.00 MF$ 0.65

PROTECTIVE COATING
EVALUATION OF OXIDATION-RESISTANT COATINGS FOR INERT-ATMOSPHERE APPLICATIONS,
N67-15683 11F S05 06 HC$ 3.00 MF$ 0.65

EMISSIVITY COATINGS FOR LOW-TEMPERATURE SPACE RADIATORS QUARTERLY PROGRESS REPORT, 1 JUL. - 30 SEP. 1966.
N67-16568 20M S05 06 HC$ 3.00 MF$ 0.65

DETERMINATION OF THE EMISSIVITY OF MATERIALS SEMIANNUAL PROGRESS REPORT, 15 MAY - 14 NOV. 1966.
N67-16569 20M S05 06 HC$ 3.00 MF$ 0.65

PROTECTIVE TREATMENTS, RODENTICIDES
PROTECTION OF GEOPHYSICAL, COMMUNICATION AND POWER TRANSMISSION CABLE AGAINST RODENT SPECIES ATTACK BY R-55 RODENT REPELLENT TREATMENT,
AD-644 536 9A U67 07 HC$ 3.00 MF$ 0.65

PROTON ACCELERATORS, IONIC CURRENT
ON THE CRITICAL EFFECT OF GEOMETRIC DIMENSIONS OF EXTRACTION SYSTEMS OF A HIGH FREQUENCY PROTON SOURCE ON THE CURRENT INTENSITY OF AN ION BEAM,
AD-440 937 20G U67 07 HC$ 3.00

PROTON BOMBARDMENT, ORGANIC MATERIALS
MESURE D UN FLUX DE PARTICULES NEUTRES PAR UNE METHODE THERMIQUE METTANT A CONTRIBUTION L EFFET DE TEMPERATURE DES JONCTIONS (MEASUREMENT OF A NEUTRAL PARTICLE FLUX BY A THERMAL METHOD USING THE JUNCTION TEMPERATURE EFFECT),
PB-174 848 20H U67 07 HC$ 3.00 MF$ 0.65

PROTON REACTIONS, BERYLLIUM
EXCITATION OF SINGLE-PARTICLE STATES IN 8BE BY THE 9BE(P,D)8BE REACTION,
AD-646 786 20H U67 07

PROTON SCATTERING, NUCLEAR CROSS SECTIONS
CONTRIBUTION A L ETUDE DES DIFFUSIONS ELASTIQUE ET INELASTIQUES DES PROTONS SUR LE CARBONE 12 (CONTRIBUTION TO THE STUDY OF PROTON ELASTIC AND INELASTIC SCATTERING ON CARBON-12).
PB-174 832 20H U67 07 HC$ 3.00 MF$ 0.65

PSYCHOTROPIC AGENTS, HIGH ALTITUDE
THE INTERACTION OF HIGH ALTITUDE AND PSYCHOTROPIC DRUG ACTION,
AD-646 728 6D U67 07

PULSE CODE MODULATION (PCM)
NONLINEAR CHARACTERISTICS OF PULSE-DURATION MODULATION.
N67-16560 9D S05 06 HC$ 3.00 MF$ 0.65

PULSE WIDTH AMPLITUDE CONVERTER
BIPOLAR ANALOG TO PULSE WIDTH CONVERTER,
NA7-16057 9F S05 06 HC$ 3.00 MF$ 0.65

PUMPING(ELECTRONICS), MICROWAVE FREQUENCY
RESEARCH INVESTIGATION IN TRANSIENT HIGH-POWER PHENOMENA AT MICROWAVE FREQUENCIES.
AD-646 776 20C U67 07

PYROLYTIC GRAPHITE, LASERS
EFFECTS OF POWER DENSITY ON CHARACTERISTICS OF LASER BEAM INTERACTION WITH SOLID MATERIALS.
AD-646 732 20E U67 07 HC$ 3.00 MF$ 0.65

PYROXENE
X-RAY DETECTION OF DISORDERED ORTHOPYROXENES IN METEORITES SEMIANNUAL REPORT, JUN. 1 - NOV. 30, 1966.
NA7-16700 8G S05 06 HC$ 3.00 MF$ 0.65

P-N JUNCTION
DETERMINATION OF DEFECTS IN SILICON P-I-N DETECTORS OF NUCLEAR RADIATION.
N67-15843 18D S05 06 HC$ 3.00 MF$ 0.65

QUANTUM MECHANICS, MATHEMATICAL LOGIC
QUANTUM THEORY OF MEASUREMENT IN RELATION TO A GENERAL THEORY OF OBSERVATION AND CONTROL.
AD-646 571 20J U67 07 HC$ 3.00 MF$ 0.65

QUANTUM STATISTICS, THEOREMS
QUANTUM-MECHANICAL EXTENSION OF THE LEBOWITZ-PENROSE THEOREM ON THE VAN DER WAALS THEORY,
AD-646 407 20J U67 07

QUARTZ RESONATORS, AGING(MATERIALS)
QUARTZ CRYSTAL AGING EFFECTS.
AD-646 737 9A U67 07 HC$ 3.00 MF$ 0.65

QUARTZ, SCATTERING
STIMULATED BRILLOUIN AND RAMAN SCATTERING IN QUARTZ AT 9.1 TO 293 KELVIN,
AD-646 489 20B U67 07

RADAR ASTRONOMY
PROGRESS IN SCIENTIFIC RADIO - FIFTEENTH GENERAL ASSEMBLY OF THE INTERNATIONAL SCIENTIFIC RADIO UNION,
N67-16001 20N S05 06 HC$ 3.00 MF$ 0.65

RADAR BEACONS, AIR TRAFFIC CONTROL SYSTEMS
THE USE OF RADAR GATING DEVICES FOR REJECTION OF FALSE ATCRBS REPLIES.
AD-646 874 17I U67 07 HC$ 3.00 MF$ 0.65

RADAR BEACONS, DRONES
RADAR BEACON SYSTEM AND ANTENNA EVALUATION PROGRAM FOR SD-1 DRONES. VOLUME I.
AD-646 905 17I U67 07 HC$ 3.00 MF$ 0.65

RADAR BEACON SYSTEM AND ANTENNA EVALUATION PROGRAM FOR SD-1 DRONES. APPENDIX. VOLUME II.
AD-646 906 17I U67 07 HC$ 3.00 MF$ 0.65

RADAR DUPLEXERS, RADIATION DAMAGE
STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DUPLEXERS.
AD-442 524 17I U67 07 HC$ 3.00

RADAR ECHO AREAS, CONICAL BODIES
RADAR SCATTERING FROM BLUNTED CONE TIPS,
AD-646 486 17I U67 07

RADAR ECHO AREAS, MATHEMATICAL MODELS
A MODEL OF RADAR SCATTERING FROM THE CONE-SPHERE,
AD-646 853 17I U67 07 HC$ 3.00 MF$ 0.65

RADAR ECHO AREAS, MOTION

MOVEMENT AND PREDICTABILITY OF RADAR ECHOES.
PB-173 972 17I U67 07 HC$ 3.00 MF$ 0.65

RADAR MEASUREMENT
CISLUNAR ELECTRON CONTENT AS DETERMINED BY RADAR GROUP DELAY MEASUREMENTS.
N67-15900 20H S05 06 HC$ 3.00 MF$ 0.65

RADAR PULSES, SCATTERING
A MODEL OF RADAR SCATTERING FROM THE CONE-SPHERE.
AD-645 853 17I U67 07 HC$ 3.00 MF$ 0.65

RADAR TARGETS, DETECTION
A COMPARISON OF AVERAGE LIKELIHOOD AND MAXIMUM LIKELIHOOD RATIO TESTS FOR DETECTING RADAR TARGETS OF UNKNOWN DOPPLER FREQUENCY.
AD-645 365 17I U67 07 HC$ 3.00 MF$ 0.65

RADAR, NAVIGATIONAL AIDS
LOOKOUT ASSIST DEVICE FEASIBILITY STUDIES. VOLUME I. HUMAN FACTORS, COLLISION STATISTICS, ECONOMICS FACTORS OPERATIONS RESEARCH, SENSOR TECHNIQUES.
PB-174 090 17I U67 07 HC$ 3.00 MF$ 0.65

LOOKOUT ASSIST DEVICE FEASIBILITY STUDIES. VOLUME II. SYSTEM RECOMMENDATIONS, (PROXIMITY AND TAU SYSTEMS); PERFORMANCE ESTIMATES, SYSTEMS PARAMETERS STUDY, A TAU CRITERION DISPLAY SYSTEM.
PB-174 091 17I U67 07 HC$ 3.00 MF$ 0.65

LOOKOUT ASSIST DEVICE FEASIBILITY STUDIES. VOLUME III. USAGE OF SOUND AT SEA, CONNING FUNCTION STUDIES, CUE SOURCES AND THEIR VALUE, PSYCHOACOUSTICS, PHYSICAL FACTORS, WORK ACTIVITY FACTORS.
PB-174 092 17I U67 07 HC$ 3.00 MF$ 0.65

LOOKOUT ASSIST RADAR EVALUATION PROGRAMS.
PB-174 093 17I U67 07 HC$ 3.00 MF$ 0.65

LOOKOUT ASSIST RADAR DEVELOPMENT.
PB-174 094 17I U67 07 HC$ 3.00 MF$ 0.65

RADIANT ENERGY
SPECTRAL ABSORPTION COEFFICIENTS OF CARBON, NITROGEN, AND OXYGEN ATOMS.
N67-15686 20H S05 06 HC$ 3.00 MF$ 0.65

RADIATION BELT
ON THE COULOMB RELAXATION PROCESS OF FAST PARTICLES DISTRIBUTION IN THE EARTH S RADIATION BELTS.
N67-15507 4A S05 06 HC$ 3.00 MF$ 0.65

THE BEHAVIOR OF PARTICLES OF RADIATION BELTS DURING MAGNETIC STORMS.
N67-15508 4A S05 06 HC$ 3.00 MF$ 0.65

RADIATION CHEMISTRY, ELECTROMAGNETIC WAVES
ELECTROMAGNETIC RADIATION CHEMISTRY.
AD-645 645 7E U67 07 HC$ 3.00 MF$ 0.65

RADIATION DAMAGE, HIGH-TEMPERATURE RESEARCH
HIGH TEMPERATURE RADIATION DAMAGE TO GRAPHITE. PART II. RADIATION DAMAGE IN GRAPHITE.
BNWL-237 18H U67 07 HC$ 3.00 MF$ 0.65

RADIATION DAMAGE, RADAR DUPLEXERS
STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DUPLEXERS.
AD-442 524 17I U67 07 HC$ 3.00

RADIATION DAMAGE, STEEL
IRRADIATION EFFECTS ON REACTOR STRUCTURAL MATERIALS.
AD-645 862 18J U67 07 HC$ 3.00 MF$ 0.65

RADIATION DETECTOR
DIGITIZED SPARK CHAMBER FOR SPACE SCIENCE EXPERIMENTS.
N67-15546 14R S05 06 HC$ 3.00 MF$ 0.65

RADIATION EFFECT
MULTIDISCIPLINARY RESEARCH ACTIVITY IN THE MATERIALS SCIENCES WITH EMPHASIS ON CERAMIC MATERIALS SEMIANNUAL STATUS REPORT, JUN. 16 - DEC. 15, 1966.
N67-15390 11R S05 06 HC$ 3.00 MF$ 0.65

THE BIOSPUTNIK IS CONDUCTING INVESTIGATIONS.
N67-15700 6S S05 06 HC$ 3.00 MF$ 0.65

RADIATION EFFECTS, DOGS
THE INDIVIDUAL SENSITIVITY OF DOGS TO RADIATION.
AD-645 451 6R U67 07 HC$ 3.00 MF$ 0.65

RADIATION EFFECTS, LYMPHATIC SYSTEM
ACUTE ULTRASTRUCTURAL EFFECTS OF 500 ROENTGENS ON THE LYMPH NODE OF THE MOUSE.
AD-645 683 6R U67 07

RADIATION EXPOSURE
TRANSIENT RADIATION EFFECTS ON THERMOCOUPLES.
N67-16632 18D S05 06 HC$ 3.00 MF$ 0.65

RADIATION FIELD
AN EXPERIMENTAL STUDY OF THE DIPOLE ANTENNA WITH NONREFLECTING RESISTIVE LOADING.
N67-15634 9F S05 06 HC$ 3.00 MF$ 0.65

RADIATION HAZARDS, PLUTONIUM
THE RESTRICTED RELEASE OF PLUTONIUM.
RFP-799 18J U67 07 HC$ 3.00 MF$ 0.65

RADIATION HAZARDS, SPACE ENVIRONMENTAL CONDITIONS
A NOTE ON THE GALACTIC RADIATION EXPOSURE IN GEOMAGNETICALLY UNPROTECTED REGIONS OF SPACE.
AD-646 583 6R U67 07 HC$ 3.00 MF$ 0.65

RADIATION MEASUREMENT SYSTEMS, RADIOACTIVITY
ORLANDO AREA (ARMS-II).
CEX-63.6.1 18H N21 04 HC$ 3.00 MF$ 0.65

RADIATION MEDICINE
STUDIES OF HEAVILY IONIZING PARTICLES AND SPACE BIOLOGY SEMIANNUAL REPORT.
N67-15941 6E S05 06 HC$ 3.00 MF$ 0.65

RADIATION SHIELDING
BIBLIOGRAPHY OF THE COMPUTER CODES LITERATURE EXAMINED BY THE RADIATION SHIELDING INFORMATION CENTER.
N67-16540 18F S05 06 HC$ 3.00 MF$ 0.65

RADIATION SICKNESS
ON THE DEVELOPMENT OF X-RAY INJURIES TO THE SKIN.
N67-15550 6R S05 06 HC$ 3.00 MF$ 0.65

CHANGES IN THE PERIPHERAL DIVISION OF THE AUDITORY ANALYZER IN ACUTE RADIATION SICKNESS.
N67-15553 6R S05 06 HC$ 3.00 MF$ 0.65

RADIATIVE HEAT TRANSFER
CONVECTIVE AND RADIATIVE HEAT TRANSFER TO AN ABLATING BODY, PART I FINAL REPORT.
N67-16567 20M S05 06 HC$ 3.00 MF$ 0.65

CONVECTIVE AND RADIATIVE HEAT TRANSFER TO BLUNT BODIES AT ANGLE OF ATTACK, PART II FINAL REPORT.
N67-16571 20M S05 06 HC$ 3.00 MF$ 0.65

RADIO ASTRONOMY, MICROWAVE FREQUENCY
RESEARCH INVESTIGATION DIRECTED TOWARD EXTENDING THE USEFUL RANGE OF THE ELECTROMAGNETIC SPECTRUM.
AD-646 898 9C U67 07 HC$ 3.00 MF$ 0.65

RADIO COMMUNICATION
SPACE PROGRAMS SUMMARY NO. 37-42, VOLUME III FOR THE PERIOD SEPTEMBER 1, 1966 TO OCTOBER 31, 1966. DEEP SPACE NETWORK.
N67-15901 9F S05 06 HC$ 3.00 MF$ 0.65

RADIO COMMUNICATION SYSTEMS, TACTICAL WARFARE
FREQUENCY ASSIGNMENT STUDIES.
AD-646 613 17B U67 07 HC$ 3.00 MF$ 0.65

RADIO FREQUENCY
PROGRESS IN SCIENTIFIC RADIO - FIFTEENTH GENERAL ASSEMBLY OF THE INTERNATIONAL SCIENTIFIC RADIO UNION.
N67-16001 20N S05 06 HC$ 3.00 MF$ 0.65

RADIO RECEIVER
PHASE I REPORT ON DEVELOPMENT OF A LOW-NOISE 8 MM RECEIVER FRONT END.
N67-16635 9A S05 06 HC$ 3.00 MF$ 0.65

RADIO SIGNAL PROPAGATION
PROGRESS IN SCIENTIFIC RADIO - FIFTEENTH GENERAL ASSEMBLY OF THE INTERNATIONAL SCIENTIFIC RADIO UNION.
N67-16001 20N S05 06 HC$ 3.00 MF$ 0.65

RADIO SONO BUOYS, FLUID DYNAMIC PROPERTIES
HYDRODYNAMIC ANALYSIS OF THE AN/SSQ-41 SONOBUOY HYDROPHONE SUSPENSION SYSTEM.
AD-646 715 17A U67 07 HC$ 3.00 MF$ 0.65

RADIO TELESCOPES, SYSTEMS ENGINEERING
A PROPOSAL FOR A VERY LARGE ARRAY RADIO TELESCOPE. VOLUME II. SYSTEMS DESIGN.
PB-173 913 9E U67 07 HC$ 3.00 MF$ 0.65

RADIO TRANSMISSION, SUPERHIGH FREQUENCY
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ELASTIC PLASTIC TORSION AS A PROBLEM IN NON-LINEAR PROGRAMMING.
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ROLLER BEARINGS, LIFE EXPECTANCY
EFFECT OF SURFACE-LAYER QUALITY ON THE USEFUL LIFE OF ROLLER BEARINGS.
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ROTOR
STUDY, FABRICATION, AND TESTING OF A FOIL BEARING ROTOR SUPPORT SYSTEM QUARTERLY REPORT, PERIOD ENDING 15 NOV. 1966.
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RUBIDIUM, HEAT OF FORMATION
THE ENTHALPIES OF FORMATION OF RB(+) AND CS(+) IONS IN INFINITELY DILUTE AQUEOUS SOLUTIONS.
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RUBY, PARAMAGNETIC RESONANCE
ELECTRONIC AND NUCLEAR PARAMAGNETISM AND ENERGY EXCHANGE MECHANISMS.
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RUTHENIUM COMPOUNDS, SYNTHESIS(CHEMISTRY)
HIGH PRESSURE SYNTHESIS OF ARSENOPYRITE-TYPE TERNARY COMPOUNDS.
AD-646 477 7B U67 07

RUTHENIUM, THERMIONIC CONVERTERS
THE PERFORMANCE OF RUTHENIUM AS AN ELECTRODE IN A THERMIONIC CONVERTER.
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SAFETY HAZARD
EXPLOSIVE SAFETY EXECUTIVE LECTURE SERIES FINAL REPORT.
N67-15981 13L S05 06 HC$ 3.00 MF$ 0.65

SAFETY, SHIPS
LOOKOUT ASSIST DEVICE FEASIBILITY STUDIES. VOLUME I. HUMAN FACTORS, COLLISION STATISTICS, ECONOMICS FACTORS OPERATIONS RESEARCH, SENSOR TECHNIQUES.
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SAMPLERS, CONDENSERS(LIQUEFIERS)
CONDENSATION OF DRY AIR ON A LIQUID HYDROGEN COOLED SURFACE IN THE PRESSURE RANGE .001 TO 10 TOR (KNUDSEN NUMBER OF .0001 TO 1).
PB-174 024 20H U67 07 HC$ 3.00 MF$ 0.65

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EVALUATION OF THE MIDGET IMPINGER FOR SAMPLING U3O8 AND GRAPHITE AEROSOLS.
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SAMPLERS, UNDERWATER EQUIPMENT
HYDROMECHANIC DESIGN OF A PROPOSED NEKTON SAMPLER.
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SAMPLING, INFORMATION THEORY
A MULTIDIMENSIONAL SAMPLING THEOREM.
AD-646 488 9D U67 07

SANDSTONE, STRUCTURAL GEOLOGY
THE CAVE OF NESTOR , NEAR PILOS, GREECE.
AD-646 404 8G U67 07

SANDWICH CONSTRUCTION
COMPRESSION TESTS OF OPEN-FACE TRUSS-CORE SANDWICH PANELS.
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FOREST PRODUCTS LABORATORY LIST OF PUBLICATIONS ON SANDWICH CONSTRUCTION.
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TEST PROGRAMME ON ALUMINIUM HONEYCOMB SANDWICH COMPRESSION PANELS.
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SAND, SOIL MECHANICS
SHEAR PHENOMENA IN NATURAL GRANULAR MATERIALS.
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THE SHORT-PERIOD DRAG PERTURBATIONS OF THE ORBITS OF ARTIFICIAL SATELLITES.
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ATTITUDE STABILITY OF A SPINNING PASSIVE ORBITING SATELLITE.
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DESIGN, DEVELOPMENT, FABRICATION, TEST AND DELIVERY OF ELECTROTHERMAL ENGINE SYSTEMS SEMIANNUAL REPORT, DEC. 1965 - JUN. 1966.

N67-15677 21H S05 06 HC$ 3.00 MF$ 0.65

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REMARKS ON THE INTERPRETATION OF LUNIK 10 MAGNETOMETER RESULTS.
N67-15551 22A S05 06 HC$ 3.00 MF$ 0.65

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A DESCRIPTION OF THE NAVAL WEAPONS LABORATORY SATELLITE GEODESY SYSTEMS.
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SATELLITE ORBIT
INFLUENCE OF DATA TYPE AND RATE ON SHORT ARC LUNAR ORBIT DETERMINATION.
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U. S. NAVY DOPPLER TRACKING SYSTEM TRANET.
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SATELLITES(ARTIFICIAL), PHOTOMETERS
EXPOSURE PREDICTIONS FOR GEODETIC SATELLITE PHOTOGRAPHY BY STELLAR PHOTOMETRY.
AD-645 879 22D U67 07 HC$ 3.00 MF$ 0.65

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N67-15578 22A S05 06 HC$ 3.00 MF$ 0.65

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JOSS USER SCHEDULING AND RESOURCE ALLOCATION.
AD-645 195 9B U67 07 HC$ 3.00 MF$ 0.65

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A DESCRIPTION OF THE NAVAL WEAPONS LABORATORY SATELLITE GEODESY SYSTEMS.
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THE AJOUETTE II SATELLITE.
AD-645 814 22B U67 07

SCINTILLATION COUNTER
RAPID TECHNIQUE FOR LIQUID SCINTILLATION COUNTING OF CARBON-14-LABELLED BARIUM CARBONATE.
N67-15616 7D S05 06 HC$ 3.00 MF$ 0.65

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EXPERIMENTS ON THE A. C. ELECTROLUMINESCENCE OF CU DOPED ZNS SINGLE CRYSTALS.
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ESTIMATION OF CHEMONUCLEAR PRODUCTION COSTS.
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AN OCEANOGRAPHIC SECTION OFF THE CALIFORNIA COAST FEBRUARY 1966.
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THE DEEP-SEA SEDIMENTS OF THE DRAKE PASSAGE AND SCOTIA SEA.
PB-174 004 8J U67 07 HC$ 3.00 MF$ 0.65

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A COMPARATIVE STUDY OF GLAUCONITE AND THE ASSOCIATED CLAY FRACTION IN MODERN MARINE SEDIMENTS.
PB-174 002 8J U67 07 HC$ 3.00 MF$ 0.65

SEDIMENTATION, PACIFIC OCEAN
RECENT SEDIMENTS AND SEDIMENTARY HISTORY ACROSS THE PACIFIC-ANTARCTIC RIDGE.
PB-174 003 8J U67 07 HC$ 3.00 MF$ 0.65

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THE S WAVE PROJECT FOR FOCAL MECHANISM STUDIES.
AD-646 516 8K U67 07 HC$ 3.00 MF$ 0.65

SEISMOGRAPHS, DESIGN
A PARAMETRIC SEISMOMETER.
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FIRST RESULTS OF SEISMOLOGICAL INVESTIGATION RELATED WITH THE IBERIAN PENINSULA REGION.
AD-646 777 8K U67 07 HC$ 3.00 MF$ 0.65

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A METHOD FOR DETERMINING THE TRAVEL TIME OF ELASTIC WAVES IN THE EARTH.
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SEISMIC DISCRIMINATION.
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SELENIDES, SYNTHESIS(CHEMISTRY)
HIGH PRESSURE SYNTHESIS OF ARSENOPYRITE-TYPE TERNARY COMPOUNDS.
AD-646 477 7B U67 07

SELF-LURRICATING MATERIAL
STUDIES OF LOW AND HIGH TEMPERATURE CAGE MATERIALS.
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SELF-OSCILLATION
ON CERTAIN TYPES OF SELF-EXCITED OSCILLATION OCCURRING WITH AIRCRAFT CONTROL SURFACES IN TRANSONIC FLOW.
N67-16194 1D S05 06 HC$ 3.00 MF$ 0.65

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PROJECT DIODE RELIABILITY PREDICTION TECHNIQUE .
N67-16678 14D S05 06 HC$ 3.00 MF$ 0.65

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DETECTOR INVESTIGATION FOR 8-15 AND 100-4000 MICRON REGIONS.
AD-646 927 17E U67 07 HC$ 3.00 MF$ 0.65

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AD-646 479 20L U67 07

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OSCILLATORY MAGNETO-ABSORPTION OF THE DIRECT TRANSITION IN THE LAYER COMPOUND GALLIUM SELENIDE AT 1.5 K. VOLUME III.
AD-646 483 20L U67 07

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AD-646 836 20L U67 07

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AN INVESTIGATION OF THE INTERFACE STATES OF THE GERMANIUM-SILICON ALLOYED HETEROJUNCTION.

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SULFUR DONORS IN SILICON INFRARED TRANSITIONS AND EFFECTS OF CA_IRRATED UNIAXIAL STRESS.
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AD-645 802 20L U67 67

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ELECTROMAGNETIC WAVES IN A POLAR SEMI-CONDUCTOR IN THE PRESENCE OF A MAGNETIC FIELD.
AD-645 735 20L U67 67 HC$ 3.00 MF$ 0.65

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A FUNCTIONALLY-INTEGRATED CONTROLLER- COMMUTATOR FOR USE IN BRUSH_ESS DIRECT-DRIVE SOLAR ARRAY REORIENTATION SYSTEMS.
N67-15944 10R S05 06 HC$ 3.00 MF$ 0.65

SENSORY PERCEPTION
TACTUAL PERCEPTION - EXPERIMENTS AND MODELS.
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SENSORY COGNITION.
AD-645 929 6P U67 67 HC$ 3.00 MF$ 0.65

SEPTICEMIA, BURNS
THE INFLUENCE OF INFECTION UPON SERUM PROTEIN CHANGES IN SEVERE BURNS.
AD-645 484 6F U67 67

SEQUENTIAL ANALYSIS
LYAPUNOV FUNCTIONS FOR A CLASS OF NTH ORDER NONLINEAR DIFFERENTIAL EQUATIONS.
N67-15010 12A S05 06 HC$ 3.00 MF$ 0.65

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THE EFFECT OF NON-LINEARITIES ON OPTICAL CORRELATION PROCESSING.
N67-15630 20F S05 06 HC$ 3.00 MF$ 0.65

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INDIRECT HEMAGGLUTINATION TEST FOR MYCOPLASMA PNEUMONIAE EMPLOYING A COMMERCIALLY AVAILABLE ANTIGEN AND ADAPTED TO THE MICROTITER TECHNIC.
AD-645 462 6M U67 67 HC$ 3.00 MF$ 0.65

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ELEMENTS AND DRIVES OF POWER FOLLOW-UP SYSTEMS COLLECTION OF ARTICLES.
AD-645 932 13I U67 67 HC$ 3.00 MF$ 0.65

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INFLUENCE OF SEX AND THYROID PRINCIPLES ON THE ANTIPROTEOLYTIC ACTIVITY OF RAT SERUM.
AD-645 697 6A U67 67

SHAPED CHARGES, PERFORMANCE(ENGINEERING)
STRESS WAVES IN BOUNDED MEDIA.
AD-645 495 19A U67 67 HC$ 3.00 MF$ 0.65

SHEETS, SINGLE CRYSTALS
FABRICATION AND PROPERTIES OF TUNGSTEN SINGLE CRYSTALS. PART I. GROWTH OF SINGLE CRYSTAL TUNGSTEN TO BE USED FOR ROLLING INTO SINGLE CRYSTAL SHEET. PART II. ROLLED SINGLE CRYSTAL TUNGSTEN SHEET.
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DYNAMICS AND STRENGTH OF SHELLS.
N67-15428 20K S05 06 HC$ 3.00 MF$ 0.65

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THE D3/2 NEUTRON SCATTERING RESONANCE IN THE SHELL MODEL OF O16.
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N67-15629 20H S05 06 HC$ 3.00 MF$ 0.65

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ON SHIFT-REGISTER REALIZATIONS OF SEQUENTIAL MACHINES.
AD-645 593 9R U67 67 HC$ 3.00 MF$ 0.65

SHIP AUXILIARY EQUIPMENT, HOOKS
SELF-_ATCHING HOOK.
PB-174 079 13J U67 67 HC$ 3.00 MF$ 0.65

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A METHOD OF ANALYZING PROPELLER-EXCITED VIBRATORY FORCES ON A MODEL.
AD-645 678 13J U67 67 HC$ 3.00 MF$ 0.65

SHIP MODELS, STABILITY
DETERMINATION OF A SHIP S WAVE RESISTANCE IN A CANAL FROM MEASUREMENTS OF WAVE PROFILES.
AD-645 729 13J U67 67 HC$ 3.00 MF$ 0.65

SHIP PLATES, FRACTURE(MECHANICS)
CLEAVAGE FRACTURE OF SHIP PLATES AS INFLUENCED BY SIZE EFFECT.
AD-646 383 13J U67 67 HC$ 3.00 MF$ 0.65

SHIP STRUCTURAL COMPONENTS, STEEL
AN INVESTIGATION TO DETERMINE THE APPLICABILITY OF HIGH YIELD STEEL IN THE CONSTRUCTION OF TRANSVERSELY FRAMED SHIPS.
PB-174 022 13J U67 67 HC$ 3.00 MF$ 0.65

SHIPPING(MARINE), CALIFORNIA
A STUDY OF THE FUTURE OF A MARINE TERMINAL INDUSTRY AND OF THE FEASIBILITY OF DEVELOPING NEW MARINE TERMINAL FACILITIES IN OAKLAND, CALIFORNIA. PHASE I. THE OUTLOOK FOR NEW MARINE TERMINAL FACILITIES AT THE PORT OF OAKLAND.
PB-174 058 13J U67 67 HC$ 3.00 MF$ 0.65

SHIPPING(MARINE), OPTIMIZATION
FINDING A CYCLE IN A GRAPH WITH MINIMUM COST TO TIME RATIO WITH APPLICATION TO A SHIP ROUTING PROBLEM.
AD-646 553 12B U67 67 HC$ 3.00 MF$ 0.65

SHIPS, COMMAND + CONTROL SYSTEMS
SHIP S BRIDGE CONTROL CONSOLE. OPERATIONAL EVALUATION OF BENEFITS LIMITATIONS AND RECOMMENDATIONS.
PB-174 089 13J U67 67 HC$ 3.00 MF$ 0.65

SHIPS, CONTROL SYSTEMS
SHIP S BRIDGE CONTROL CONSOLE SYSTEM.
PB-174 088 13J U67 67 HC$ 3.00 MF$ 0.65

SHIPS, SAFETY
LOOKOUT ASSIST DEVICE FEASIBILITY STUDIES. VOLUME I. HUMAN FACTORS, COLLISION STATISTICS, ECONOMICS FACTORS OPERATIONS RESEARCH, SENSOR TECHNIQUES.
PB-174 090 17I U67 67 HC$ 3.00 MF$ 0.65

LOOKOUT ASSIST DEVICE FEASIBILITY STUDIES. VOLUME II. SYSTEM RECOMMENDATIONS, (PROXIMITY AND TAU SYSTEMS), PERFORMANCE ESTIMATES, SYSTEMS PARAMETERS STUDY, A TAU CRITERION DISPLAY SYSTEM.
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LOOKOUT ASSIST DEVICE FEASIBILITY STUDIES. VOLUME III. USAGE OF SOUND AT SEA, CONNING FUNCTION STUDIES, CUE SOURCES AND THEIR VALUE, PSYCHOACOUSTICS, PHYSICAL FACTORS, WORK ACTIVITY FACTORS.
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LOOKOUT ASSIST RADAR EVALUATION PROGRAMS.
PB-174 093 17I U67 67 HC$ 3.00 MF$ 0.65

LOOKOUT ASSIST RADAR DEVELOPMENT.
PB-174 094 17I U67 67 HC$ 3.00 MF$ 0.65

SHIPS, THERMAL RADIATION
EQUATIONS AND COMPUTER PROGRAM TO CALCULATE THE THERMAL HISTORY OF A DUAL-LAYERED PLATE SUBJECT TO THE THERMAL PULSE OF A NUCLEAR WEAPON.
AD-646 858 13J U67 67

SHIVERING, HEAT PRODUCTION(BIOLOGY)
ADRENERGIC BETA-RECEPTORS AND NON-SHIVERING THERMOGENESIS.
AD-646 818 6P U67 67

SHOCK WAVES, CHEMICAL REACTIONS
A STUDY OF SHOCK WAVE INDUCED REACTIONS.
AD-646 559 21B U67 67 HC$ 3.00 MF$ 0.65

SHOCK WAVES, DISTORTION
DISTORTION OF A SHOCK WAVE TRAVERSED BY A VORTEX.
AD-646 759 20A U67 67 HC$ 3.00 MF$ 0.65

SHOCK WAVES, GEOLOGY
SHOCK COMPRESSION OF POROUS MAGNETITE.
SC-RR-66-547 8G U67 67 HC$ 3.00 MF$ 0.65

SHOCK WAVES, TURBULENCE
THE VELOCITY OF SMALL PERTURBATIONS AND THE EXISTENCE OF WEAK SHOCK WAVES IN A RADIATING GAS TAKING INTO ACCOUNT RADIATION PRESSURE.
AD-646 380 20D U67 67 HC$ 3.00 MF$ 0.65

SHOCK(PATHOLOGY), PLASMA SUBSTITUTES
EFFECT OF HYDROXYETHYL STARCH ON PLASMA VOLUME AND HEMATOCRIT FOLLOWING HEMORRHAGIC SHOCK IN DOGS. COMPARISON WITH DEXTRAN, PLASMA, AND RINGER S.
AD-646 505 6F U67 67

SIGNAL ANALYSIS
ADVANCED THRESHOLD REDUCTION TECHNIQUES STUDY.
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SIGNAL RECEPTION
A SPACE COMMUNICATIONS STUDY FINAL REPORT, SEP. 15, 1965 - SEP. 15, 1966.
N67-16698 17B S05 06 HC$ 3.00 MF$ 0.65

SIGNAL TO NOISE RATIO
NONLINEAR CHARACTERISTICS OF PULSE-DURATION MODULATION.
N67-16540 9D S05 06 HC$ 3.00 MF$ 0.65

SILICON DIOXIDE, REFRACTORY MATERIALS
HIGH VISCOSITY THERMAL PROTECTION MATERIALS.
AD-646 616 11B U67 67 HC$ 3.00 MF$ 0.65

SILICON OXIDE
RESEARCH ON THE MECHANISM AND KINETICS OF OXIDATION OF SILICON IN AIR SEMIANNUAL REPORT, 1 JUN. - 30 NOV. 1966.
N67-16631 7D S05 06 HC$ 3.00 MF$ 0.65

SILICON RADIATION DETECTOR
DETERMINATION OF DEFECTS IN SILICON P-I-N DETECTORS OF NUCLEAR RADIATION.
N67-15843 18D S05 06 HC$ 3.00 MF$ 0.65

SILICONE PLASTICS, PLASTIC COATINGS
SILICONE COATED TRAYS FOR PARAFFIN EMBEDDING.
PB-174 673 6L U67 07 HC$ 3.00 MF$ 0.65

SILICON, COLOR CENTERS
SULFUR DONORS IN SILICON INFRARED TRANSITIONS AND EFFECTS OF CALIBRATED UNIAXIAL STRESS.
AD-645 499 20L U67 07

SILVER COMPOUNDS, CRYSTAL LATTICE DEFECTS
HOLE TRAPPING AND THE IONIZATION ENERGY OF NATIVE ACCEPTOR CENTERS IN AGBR.
AD-645 413 20L U67 07

SILVER, IMPURITIES
CALCUL DES FORCES AGISSANT SUR UNE IMPURETE D UN METAL SOUMIS A UN GRADIENT DE TEMPERATURE (CALCULATION OF FORCES ACTING ON AN IMPURITY IN A METAL SUBJECTED TO A TEMPERATURE GRADIENT).
PB-174 847 20L U67 07 HC$ 3.00 MF$ 0.65

SIMULATION
THE VIBRATION RESPONSE OF AN ORBITING GEOPHYSICAL OBSERVATORY SPACECRAFT FULL-SCALE STRUCTURAL MODEL TO A SIMULATED LAUNCH ACOUSTIC ENVIRONMENT.
N67-15543 22B S05 06 HC$ 3.00 MF$ 0.65

SINGLE CRYSTALS, CRYSTAL GROWTH
FABRICATION AND PROPERTIES OF TUNGSTEN SINGLE CRYSTALS. PART I. GROWTH OF SINGLE CRYSTAL TUNGSTEN TO BE USED FOR ROLLING INTO SINGLE CRYSTAL SHEET. PART II. ROLLED SINGLE CRYSTAL TUNGSTEN SHEET.
AD-464 350 20R U67 07 HC$ 3.00

SINGLE CRYSTALS, NICKEL COMPOUNDS
THE ELECTROCHEMICAL AND DISSOLUTION PROPERTIES OF NICKEL OXIDE.
AD-645 454 7D U67 07 HC$ 3.00 MF$ 0.65

SINGLE-PHASE FLOW
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N67-15523 20D S05 06 HC$ 3.00 MF$ 0.65

SKIN (RIOL)
ON THE DEVELOPMENT OF X-RAY INJURIES TO THE SKIN.
N67-15550 6R S05 06 HC$ 3.00 MF$ 0.65

SKIN, PERMEABILITY
WATER TRANSFER THROUGH HUMAN SKIN.
AD-645 845 6P U67 07 HC$ 3.00 MF$ 0.65

SLEEP, BIOCHEMISTRY
NEUROPHYSIOLOGICAL MECHANISMS OF THE STATES OF SLEEP.
AD-645 845 6P U67 07 HC$ 3.00 MF$ 0.65

SLENDER BODIES, AERODYNAMIC CHARACTERISTICS
THE AERODYNAMIC CHARACTERISTICS OF A SLENDER BODY TRAVELING IN A TUBE.
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SLENDER BODY
MAXIMUM LIFT-TO-DRAG RATIO OF A SLENDER, FLAT-TOP, HYPERSONIC BODY.
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ON THE DYNAMIC CHARACTERISTICS OF A VARIABLE- MASS SLENDER ELASTIC BODY UNDER HIGH ACCELERATIONS.
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SLOSHING
EFFECT OF REYNOLDS NUMBER ON SLOSH DAMPING BY FLAT RING BAFFLES.
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SLUSH
SLUSH HYDROGEN PRODUCTION, STORAGE, AND DISTRIBUTION STUDY PROGRAM FINAL REPORT, 4 NOV. 1965 - 29 APR. 1966.
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SNOW, RADIATION MEASURING SYSTEMS
POSTABLE RADIOACTIVE ISOTOPE SNOW GAGES FOR PROFILING SNOWPACKS.
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SODIUM CHLORIDE, PARAMAGNETIC RESONANCE
ELECTRONIC AND NUCLEAR PARAMAGNETISM AND ENERGY EXCHANGE MECHANISMS.
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SODIUM SALICYLATE
AN INTEGRATING SPHERE COATING FOR THE VACUUM ULTRAVIOLET SPECTRAL REGION.
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SOIL MECHANICS, ROADS
EDDINGTON EXPERIMENTAL PROJECT, EDDINGTON, MAINE.
PB-174 018 8M U67 07 HC$ 3.00 MF$ 0.65

SOIL MECHANICS, SAND
SHEAR PHENOMENA IN NATURAL GRANULAR MATERIALS.
AD-645 865 8G U67 07 HC$ 3.00 MF$ 0.65

SOIL MECHANICS, STRESSES
ANALYSIS OF STRESS DISTRIBUTION BENEATH EMBANKMENTS.
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SOLAR ACTIVITY EFFECT
THE IONOSPHERE AT 640 KILOMETERS ON QUIET AND DISTURBED DAYS.
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SOLAR ATMOSPHERE
PHYSICS OF THE SOLAR SYSTEM, VOLUME 3.
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SOLAR CELL
RESEARCH AND DEVELOPMENT IN CD S PHOTOVOLTAIC CELLS FINAL REPORT, 28 JUN. 1965 - 27 JUN. 1966.
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SOLAR FILAMENT STRUCTURE.
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SELECTION OF A VLF RECEIVING ANTENNA FOR THE BOLIVIAN SOLAR ECLIPSE SITE.
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SOLAR FLARES, PREDICTIONS
SOLAR FILAMENT STRUCTURE.
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SOLAR PHYSICS
PHYSICS OF THE SOLAR SYSTEM, VOLUME 3.
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A COMPILATION OF SELECTED DATA ON SOLAR RADIATION AT SEA LEVEL.
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SOLAR SYSTEM
PHYSICS OF THE SOLAR SYSTEM, VOLUME 3.
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STUDY OF SPACE ENVIRONMENT FABRICATION AND REPAIR TECHNIQUES FINAL TECHNICAL SUMMARY REPORT.
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A 100 KILOGAUSS QUASI-CONTINUOUS CRYOGENIC SOLENOID, PART I.
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SOLID ROCKET FUELS, REVIEWS
FUELS FOR ROCKET ENGINES (CHAPTER V).
AD-646 421 21I U67 07 HC$ 3.00 MF$ 0.65

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RESEARCH ON THE DEFLAGRATION OF HIGH-ENERGY SOLID OXIDIZERS.
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SUPERCONDUCTIVITY IN NB C- NB N SOLID SOLUTIONS.
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MULTIDISCIPLINARY RESEARCH ACTIVITY IN THE MATERIALS SCIENCES WITH EMPHASIS ON CERAMIC MATERIALS SEMIANNUAL STATUS REPORT, JUN. 16 - DEC. 15, 1966.
N67-15390 11B S05 06 HC$ 3.00 MF$ 0.65

SOLID STATE PHYSICS, MICROWAVES
RESEARCH INVESTIGATION DIRECTED TOWARD EXTENDING THE USEFUL RANGE OF THE ELECTROMAGNETIC SPECTRUM.
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QUARTERLY PROGRESS REPORT NO. 63 OF SOLID-STATE AND MOLECULAR THEORY GROUP.
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SOLIDS, LIGHT TRANSMISSION
LIGHT SCATTERING BY LIQUIDS AND MOLECULAR SOLIDS.
AD-646 515 20F U67 07 HC$ 3.00 MF$ 0.65

SOLVENT EXTRACTION, ACETONES
SOLVENT EXTRACTION STUDY OF METAL FLUOROACETYLACETONATES.
AD-646 607 7B U67 07 HC$ 3.00 MF$ 0.65

SONIC BOOM, STATE-OF-THE-ART REVIEWS
THE SONIC BOOM PROBLEM.
AD-646 676 1C U67 07 HC$ 3.00 MF$ 0.65

SOUND PROPAGATION
ABSORPTION OF SOUND IN AIR VERSUS HUMIDITY AND TEMPERATURE.
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VARIABILITY OF SOUND PROPAGATION PREDICTION DUE TO ATMOSPHERIC VARIABILITY FINAL REPORT.
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SOUND, ATTENUATION
ATTENUATION OF SOUND BY SPHERICAL SHELLS.
AD-646 911 20A U67 07 HC$ 3.00 MF$ 0.65

SPACE COMMUNICATION
PROGRESS IN SCIENTIFIC RADIO - FIFTEENTH GENERAL ASSEMBLY OF THE INTERNATIONAL SCIENTIFIC RADIO UNION.
N67-16001 20N S05 06 HC$ 3.00 MF$ 0.65

A SPACE COMMUNICATIONS STUDY FINAL REPORT, SEP. 15, 1965 - SEP. 15, 1966.
N67-16698 17B S05 06 HC$ 3.00 MF$ 0.65

SPACE ENVIRONMENT
THE EFFECT OF THE SPACE ENVIRONMENT ON LUBRICANTS AND ROLLING ELEMENT BEARINGS.
N67-15048 131 S05 06 HC$ 3.00 MF$ 0.65

SPACE ENVIRONMENTAL CONDITIONS, RADIATION HAZARDS
A NOTE ON THE GALACTIC RADIATION EXPOSURE IN GEOMAGNETICALLY UNPROTECTED REGIONS OF SPACE.
AD-644 583 6P U67 07 HC$ 3.00 MF$ 0.65

SPACE LABORATORY
STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION VOLUME I - SUMMARY FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15575 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME II - SCIENTIFIC PAYLOAD DEFINITION STUDIES FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15576 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLIOGICAL LABORATORY PROJECT DEFINITION, VOLUME III - SYSTEM ENGINEERING STUDIES FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15577 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME IV - PROGRAM PLAN FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15578 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME V - EXOBIOLOGY BIBLIOGRAPHY FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15579 22A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION, VOLUME VI - TECHNICAL APPENDICES. PART 1 FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15580 22A S05 06 HC$ 3.00 MF$ 0.65

SPACE MAINTENANCE, ADHESIVES
EXTRAVEHICULAR SPACE ADHESIVE SYSTEM.
AD-644 659 22A U67 07 HC$ 3.00 MF$ 0.65

SPACE MAINTENANCE, BONDING
EXOTHERMIC SPACE BONDING SYSTEM.
AD-644 678 22A U67 07 HC$ 3.00 MF$ 0.65

SPACE MAINTENANCE, HUMAN ENGINEERING
APERTURE SIZES AND DEPTHS OF REACH FOR ONE- AND TWO-HANDED TASKS.
AD-644 714 9F U67 07 HC$ 3.00 MF$ 0.65

SPACE MEDICINE, OXYGEN CONSUMPTION
PROCEEDINGS OF THE ANNUAL CONFERENCE ON ATMOSPHERIC CONTAMINATION IN CONFINED SPACES (2ND), 4 AND 5 MAY 1966.
AD-644 512 6S U67 07 HC$ 3.00 MF$ 0.65

SPACE MISSION
NON-CHEMICAL SPACE PROPULSION.
N67-15047 21M S05 06 HC$ 3.00 MF$ 0.65

SPACE PHOTOGRAPHY
MANNED SPACE-FLIGHT EXPERIMENTS, GEMINI IX MISSION INTERIM REPORT.
N67-15021 22A S05 06 HC$ 3.00 MF$ 0.65

SPACE PROGRAM
PUBLICATIONS OF THE JET PROPULSION LABORATORY JULY 1965 THROUGH JULY 1966.
N67-15056 22A S05 06 HC$ 3.00 MF$ 0.65

SPACE RADIATOR
DETERMINATION OF THE EMISSIVITY OF MATERIALS SEMIANNUAL PROGRESS REPORT, 15 MAY - 14 NOV. 1966.
N67-15569 20M S05 06 HC$ 3.00 MF$ 0.65

SPACE SCIENCE
SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME IV FOR THE PERIOD AUGUST 1 TO SEPTEMBER 30, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
N67-13701 22A S05 06 HC$ 3.00 MF$ 0.65

SPACE PROGRAMS SUMMARY NO. 37-40, VOLUME IV FOR THE PERIOD JUNE 1 - JULY 31, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
N67-15781 22B S05 06 HC$ 3.00 MF$ 0.65

SPACE SIMULATION CHAMBERS, THERMODYNAMICS
INTERVAL CONVECTION EFFECTS IN THERMAL MODELS OF SPACE VEHICLES.
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SPACE STATION
SPACE PROGRAMS SUMMARY NO. 37-42, VOLUME III FOR THE PERIOD SEPTEMBER 1, 1966 TO OCTOBER 31, 1966. DEEP SPACE NETWORK.
N67-15901 9F S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT COMMUNICATIONS SYSTEM
BEAM ALIGNMENT TECHNIQUES BASED ON THE CURRENT MULTIPLICATION EFFECT IN PHOTOCONDUCTORS SUMMARY TECHNICAL PROGRESS REPORT.
N67-15054 17B S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT CONTAMINATION
MICROBIOLOGICAL BURDEN ON THE SURFACES OF THE AIMP SPACECRAFT, PART 2.
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MICROBIOLOGICAL BURDEN ON THE SURFACES OF THE AIMP SPACECRAFT, PART 4.
N67-16053 22B S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT ENVIRONMENT
POLYMERS FOR SPACECRAFT HARDWARE - MATERIALS CHARACTERIZATION, PART I INTERIM REPORT, MAR. - DEC. 1966.
N67-16695 22B S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT GUIDANCE
A FUNCTIONALLY-INTEGRATED CONTROLLER- COMMUTATOR FOR USE IN BRUSHLESS DIRECT-DRIVE SOLAR ARRAY REORIENTATION SYSTEMS.
N67-16544 10B S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT INSTRUMENTATION
FUNCTIONAL REQUIREMENTS FOR SPACEBORNE COMPUTERS ON ADVANCED MANNED MISSIONS.
N67-15882 9B S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT MANEUVER
S- RAND LABORATORY TEST EQUIPMENT FINAL REPORT.
N67-15678 21M S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT MOTION
MOTION OF AN ARTIFICIAL SATELLITE ABOUT ITS CENTER OF MASS.
N67-15429 22A S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT ORBITAL RENDEZVOUS
RONDVU/ PRESTO - PROGRAM FOR RENDEZVOUS MISSION TRAJECTORY OPTIMIZATION.
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SPACECRAFT PERFORMANCE
RANGER VI MISSION DESCRIPTION AND PERFORMANCE.
N67-15682 22A S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT POWER SUPPLY
THERMODYNAMIC AND TURBINE CHARACTERISTICS OF HYDROGEN-FUELED OPEN-CYCLE AUXILIARY SPACE POWER SYSTEMS.
N67-16679 10A S05 06 HC$ 3.00 MF$ 0.65

COMPUTER PROGRAM FOR THERMODYNAMIC PERFORMANCE OF BRAYTON-CYCLE SPACE-POWER SYSTEMS.
N67-16680 10A S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT PROPULSION
SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME IV FOR THE PERIOD AUGUST 1 TO SEPTEMBER 30, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
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SPACE PROGRAMS SUMMARY NO. 37-40, VOLUME IV FOR THE PERIOD JUNE 1 - JULY 31, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
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NON-CHEMICAL SPACE PROPULSION.
N67-16047 21M S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT RADIATOR
EMISSIVITY COATINGS FOR LOW-TEMPERATURE SPACE RADIATORS QUARTERLY PROGRESS REPORT, 1 JUL. - 30 SEP. 1966.
N67-16568 20M S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT RELIABILITY
FAILURE RATE COMPUTATIONS BASED ON MARINER MARS 1964 SPACECRAFT DATA.
N67-15684 9A S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT STERILIZATION
EFFECTIVENESS OF DRY HEAT AND ETHYLENE GAS UPON SPORE CONTAMINATION LOCATED BETWEEN MATED SURFACES AND ON EXTERIOR SURFACES OF VARIOUS MATERIALS.
N67-16614 13M S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT TRACKING
SPACE PROGRAMS SUMMARY NO. 37-42, VOLUME III FOR THE PERIOD SEPTEMBER 1, 1966 TO OCTOBER 31, 1966. DEEP SPACE NETWORK.
N67-15901 9F S05 06 HC$ 3.00 MF$ 0.65

SPACECRAFT, THERMAL PROPERTIES
INTERNAL CONVECTION EFFECTS IN THERMAL MODELS OF SPACE VEHICLES.
AD-644 779 22B U67 07 HC$ 3.00 MF$ 0.65

SPARK CHAMBER
DIGITIZED SPARK CHAMBER FOR SPACE SCIENCE EXPERIMENTS.
N67-16546 14B S05 06 HC$ 3.00 MF$ 0.65

SPATIAL PERCEPTION
TACTUAL PERCEPTION - EXPERIMENTS AND MODELS.
N67-16661 5M S05 06 HC$ 3.00 MF$ 0.65

SPECIFICATIONS, HOSPITALS
COMPUTER AIDED CHECKING OF DESIGN DOCUMENTS FOR COMPLIANCE WITH REGULATORY CODES.
PB-174 095 13M U67 07 HC$ 3.00 MF$ 0.65

SPECTRUM ANALYZERS, RAINDROPS
A RAINDROP SPECTROMETER AND AN AUTOMATIC LIQUID-WATER-CONTENT METER.
AD-644 661 4B U67 07 HC$ 3.00 MF$ 0.65

SPEECH, CODING
EFFICIENT CODING OF VOCODER CHANNEL SIGNALS USING LINEAR TRANSFORMATION.
AD-644 471 9D U67 07

SPEECH, INTELLIGIBILITY
INTELLIGIBILITY TEST METHODS AND PROCEDURES FOR THE EVALUATION OF SPEECH COMMUNICATION SYSTEMS.
AD-644 781 17B U67 07 HC$ 3.00 MF$ 0.65

SPIN STABILIZATION
ATTITUDE STABILITY OF A SPINNING PASSIVE ORBITING SATELLITE.
N67-15665 22C S05 06 HC$ 3.00 MF$ 0.65

SPRINGS, BREECH MECHANISMS
TORSION LEAF-SPRING PACKS.
AD-646 385 19F U67 07 HC$ 3.00 MF$ 0.65

STAGNATION POINT, FLOW FIELDS
EXPERIMENTAL INVESTIGATION OF THE DENSITY FLOW FIELD IN THE STAGNATION REGION OF A BLUNT BODY IN HIGH SPEED RAREFIED FLOW.
AD-646 743 20D U67 07 HC$ 3.00 MF$ 0.65

STAR TRACKING
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N67-15461 4B S05 06 HC$ 3.00 MF$ 0.65

STARS, ATMOSPHERE MODELS
LTE MODEL ATMOSPHERES WITH LINE BLANKETING. REVIEW AND FUTURE PROSPECTS.
AD-646 813 3B U67 07

STARS, EJECTION
A MECHANISM FOR MASS EJECTION IN RED GIANTS.
AD-646 787 3B U67 07

STARS, THERMONUCLEAR REACTIONS
ON THE ALPHA WIDTH OF THE 7.12-MEV STATE OF OXYGEN AND THE PRODUCTS OF HELIUM BURNING.
AD-646 784 3B U67 07

THE IRON GROUP ELEMENTS AND THE EQUILIBRIUM PROCESS IN NUCLEOSYNTHESIS.
AD-646 788 3B U67 07

STATE EQUATION
GLASS TRANSITION PHENOMENA SEMIANNUAL STATUS REPORT.
N67-15881 11B S05 06 HC$ 3.00 MF$ 0.65

STATIC ELECTRICITY
EXPLOSIVE SAFETY EXECUTIVE LECTURE SERIES FINAL REPORT.
N67-15981 13L S05 06 HC$ 3.00 MF$ 0.65

STATISTICAL ANALYSIS
MULTIVARIABLE ANALYSIS OF THE MECHANICS OF PENETRATION OF HIGH SPEED PARTICLES.
N67-15664 20K S05 06 HC$ 3.00 MF$ 0.65

STATISTICAL ANALYSIS, DETECTION
A COMPARISON OF AVERAGE LIKELIHOOD AND MAXIMUM LIKELIHOOD RATIO TESTS FOR DETECTING RADAR TARGETS OF UNKNOWN DOPPLER FREQUENCY.
AD-646 386 17I U67 07 HC$ 3.00 MF$ 0.65

STATISTICAL ANALYSIS, INERTIAL NAVIGATION
INVESTIGATION OF INERTIAL SYSTEM ERROR ANALYSIS METHODS.
AD-646 751 17G U67 07 HC$ 3.00 MF$ 0.65

STATISTICAL ANALYSIS, MEDICAL RESEARCH
SOME STATISTICAL TREATMENTS COMPATIBLE WITH INDIVIDUAL ORGANISM METHODOLOGY.
AD-646 791 6C U67 07 HC$ 3.00 MF$ 0.65

STATISTICAL MECHANICS, GASES
ON THE STRUCTURE OF THE BBGKY HIERARCHY FOR A BOLTZMANN GAS.
AD-646 594 7D U67 07 HC$ 3.00 MF$ 0.65

STATISTICAL TESTS, COMPUTER PROGRAMS
CHITRAN - A 7038 (STRETCH COMPUTER PROGRAM FOR THE CHI-SQUARE TEST OF NORMALITY.
AD-646 577 12A U67 07 HC$ 3.00 MF$ 0.65

STATISTICAL TESTS, DISTRIBUTION THEORY
THE USE OF METHOD-OF-MOMENTS ESTIMATES IN CHI-SQUARE TESTS FOR GOODNESS OF FIT.
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STATISTICAL TESTS, MULTIVARIATE ANALYSIS
THE GENERALIZED VARIANCE TESTING AND RANKING PROBLEMS.
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STEADY STATE FLOW
EXPERIMENTAL STUDY OF STEADY-STATE AND DYNAMIC PERFORMANCE OF A PROPORTIONAL FLUERIC DIVERTER VALVE.
N67-15676 13K S05 06 HC$ 3.00 MF$ 0.65

STEEL
A STUDY OF THE EFFECTS OF VARIOUS HEAT INPUT RATES ON T-1A STEEL WELDS.
N67-15541 13H S05 06 HC$ 3.00 MF$ 0.65

STEEL, RADIATION DAMAGE
IRRADIATION EFFECTS ON REACTOR STRUCTURAL MATERIALS.
AD-646 662 18J U67 07 HC$ 3.00 MF$ 0.65

STEEL, SHIP STRUCTURAL COMPONENTS
AN INVESTIGATION TO DETERMINE THE APPLICABILITY OF HIGH YIELD STEEL IN THE CONSTRUCTION OF TRANSVERSELY FRAMED SHIPS.
PB-174 022 13J U67 07 HC$ 3.00 MF$ 0.65

STELLAR LUMINOSITY
OPTICAL INSTABILITY OF THE EARTH S ATMOSPHERE.
N67-15461 4B S05 06 HC$ 3.00 MF$ 0.65

STEREOCHEMISTRY, O-HETEROCYCLIC COMPOUNDS
THE SIZE OF A LONE PAIR OF ELECTRONS. EVIDENCE FOR AN AXIAL T-BUTYL GROUP.
AD-646 482 7C U67 07

STEREOCHEMISTRY, SUBSTITUTION REACTIONS
ELECTROPHILIC SUBSTITUTION AT SATURATED CARBON, XXVII. CARBANIONS AS INTERMEDIATES IN THE BASE-CATALYZED METHYLENE-ASOMETHINE REARRANGEMENT.
AD-646 805 7C U67 07

STEREOCHEMISTRY, TRIAZINES
CONFORMATION ISOMERIZATION OF HEXAHYDRO-1,3,5-TRIMETHYL-1,3,5-TRIAZINE.
AD-646 902 7C U67 07 HC$ 3.00 MF$ 0.65

STEREOSCOPIC DISPLAY SYSTEMS, CATHODE RAY TUBES
DEFLECTION-MODULATION CRT DISPLAY.
AD-646 833 20F U67 07

STIFF STRUCTURE
PLASTIC BUCKLING OF AXIALLY COMPRESSED ECCENTRICALLY STIFFENED CYLINDERS.
N67-15662 20K S05 06 HC$ 3.00 MF$ 0.65

STIFFENED CYLINDERS, THERMAL STRESSES
A NONSTATIONARY TEMPERATURE PROBLEM FOR A CYLINDRICAL SHELL REINFORCED BY A RING.
AD-646 387 20M U67 07 HC$ 3.00 MF$ 0.65

STOCHASTIC PROCESSES, MICROORGANISMS
A STOCHASTIC MODEL OF INCUBATION-PERIOD DISTRIBUTIONS MATHEMATICAL DEVELOPMENT.
AD-646 885 6E U67 07 HC$ 3.00 MF$ 0.65

STOCHASTIC PROCESSES, MONTE CARLO METHOD
RANDOM SAMPLING OF RANDOM PROCESSES MEAN-SQUARE COMPARISON OF VARIOUS INTERPOLATORS.
AD-646 488 12A U67 07

STOCHASTIC PROCESSES, MULTIVARIATE ANALYSIS
MULTIVARIATE MULTIPLE REGRESSION WITH STOCHASTIC PREDICTOR VARIABLES.
AD-646 427 12A U67 07 HC$ 3.00 MF$ 0.65

MULTIVARIATE REGRESSION WITH ONE STOCHASTIC PREDICTOR VARIABLE.
AD-646 444 12A U67 07 HC$ 3.00 MF$ 0.65

STORAGE TANK
STORAGE TESTS OF NITROGEN TETROXIDE AND HYDRAZINE IN ALUMINUM CONTAINERS.
N67-16559 21I S05 06 HC$ 3.00 MF$ 0.65

STRESS ANALYSIS
A 100 KILOGAUSS QUASI-CONTINUOUS CRYOGENIC SOLENOID. PART I.
N67-16437 9A S05 06 HC$ 3.00 MF$ 0.65

STRESS DISTRIBUTION
THEORY OF THE THREE-DIMENSIONAL STRESS STATE IN A PLATE WITH A HOLE.
N67-15692 20K S05 06 HC$ 3.00 MF$ 0.65

STRESSES, COMPLEX VARIABLES
THE EFFECT OF COUPLE-STRESSES ON SINGULARITIES DUE TO DISCONTINUOUS LOADINGS.
AD-646 680 20K U67 07 HC$ 3.00 MF$ 0.65

STRESS-STRAIN DISTRIBUTION
DEVELOPMENT AND APPLICATION OF A PHOTOELASTO- PLASTIC METHOD TO STUDY STRESS DISTRIBUTIONS IN VICINITY OF A SIMULATED CRACK.
N67-16663 20K S05 06 HC$ 3.00 MF$ 0.65

STRETCH FORMING
ON THE DUALITY BETWEEN THE PROBLEMS OF STRETCHING AND OF BENDING OF PLATES, 16 MARCH - 15 SEPTEMBER 1966.
N67-15671 20K S05 06 HC$ 3.00 MF$ 0.65

STRONTIUM COMPOUNDS, FLUORIDES
HIGH PRESSURE AND DIELECTRIC INVESTIGATIONS OF THE ALKALINE EARTH FLUORIDES.
AD-646 654 20L U67 07 HC$ 3.00 MF$ 0.65

STRONTIUM COMPOUNDS, PARAMAGNETIC RESONANCE
MILLIMETER ELECTRON PARAMAGNETIC RESONANCE IN STRONTIUM TITANATE.
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STRUCTURAL ENGINEERING
PASSIVE GEODETIC SATELLITE CANISTER ASSEMBLIES.
N67-15669 22B S05 06 HC$ 3.00 MF$ 0.65

STRUCTURAL GEOLOGY, SEISMOLOGY
GEOSCIENCES AND TECHNOLOGY BULLETIN, VOL. 1, NO. 3, 1966.
AD-646 738 17J U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL MATERIAL
VIBRATION ANALYSIS OF CYLINDRICALLY CURVED PANELS WITH SIMPLY SUPPORTED OR CLAMPED EDGES AND COMPARISON WITH SOME EXPERIMENTS.
N67-16689 20K S05 06 HC$ 3.00 MF$ 0.65

STRUCTURAL PARTS, THERMAL STRESSES
TEMPERATURE STRESSES IN A THIN ELASTIC PLATE WITH THE PRESENCE OF A SOURCE OF HEAT ON THE CONTOUR OF THE PLATE.
AD-646 928 20K U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, ATTENUATION
ATTENUATION OF SOUND BY SPHERICAL SHELLS.
AD-646 911 20A U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, CONCRETE
PRELIMINARY TESTS ON A SHALLOW UNREINFORCED CONCRETE SHELL.
AD-646 868 13M U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, FILAMENT WOUND CONSTRUCTION
CALCULATION OF THE STRENGTH OF METALLIC AND PLASTIC CYLINDRICAL VESSELS, REINFORCED BY A WIND OF HIGH-STRENGTH MATERIAL.
AD-646 428 13M U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, MATHEMATICAL MODELS
STIFFNESS DESCRIBER OF CONICAL AND HEMISPHERICAL FILAMENT WOUND STRUCTURES,
AD-646 593 13M U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, STABILITY
STABILITY OF CYLINDRICAL SHELLS UNDER MOVING LOADS BY THE DIRECT METHOD OF LIAPUNOV,
AD-646 709 20K U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, STRESSES
STRESS ANALYSIS OF TWO INTERSECTING CYLINDICAL SHELLS.
AD-646 389 20K U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, THERMAL PROPERTIES
A NONSTATIONARY TEMPERATURE PROBLEM FOR A CYLINDRICAL SHELL REINFORCED BY A RING,
AD-646 387 20M U67 07 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, THERMAL STRESSES
THERMAL STRESSES IN SHELLS OF ROTATION AT A NONAXIALLY-SYMMETRICAL TEMPERATURE FIELD,
AD-646 458 20K U67 07 HC$ 3.00 MF$ 0.65

STRUCTURES, ABSTRACTS
PROTECTIVE STRUCTURES AND COMPONENTS COMPILATION OF ABSTRACTS.
AD-646 398 5A U67 07 HC$ 3.00 MF$ 0.65

STRUCTURES, DESIGN
STRUCTURAL GUIDELINES FOR MATERIALS DEVELOPMENT. PART III. GUIDELINES FOR TENSION AND COMPRESSION STRUCTURES.
AD-646 809 13M U67 07 HC$ 3.00 MF$ 0.65

SUBCOOLING
AN EXPERIMENTAL INVESTIGATION OF BOILING IN NORMAL AND ZERO GRAVITY.
N67-15044 20M S05 06 HC$ 3.00 MF$ 0.65

SUBROUTINES, DISPLAY SYSTEMS
SUBROUTINES FOR IBM SYSTEM/360 TO FACILITATE VISUAL DISPLAY AND MAN-MACHINE RELATIONSHIPS,
AD-646 895 9B U67 07 HC$ 3.00 MF$ 0.65

SUBSAHARAN AFRICA, WEATHER
WEATHER FACTORS AFFECTING AERIAL PHOTOGRAPHY AND OPERATIONS IN TANGANYIKA, UGANDA AND KENYA.
AD-646 356 4B U67 07 HC$ 3.00 MF$ 0.65

WEATHER FACTORS AFFECTING AERIAL PHOTOGRAPHY AND OPERATIONS IN FRENCH SOMALILAND AND SOMALI REPUBLIC.
AD-646 357 4B U67 07 HC$ 3.00 MF$ 0.65

SUBSONIC FLOW
CALCULATION OF A JET AXIS IN A DRIFTING FLOW.
N67-15698 20D S05 06 HC$ 3.00 MF$ 0.65

SUBSTITUTION REACTIONS, STEREOCHEMISTRY
ELECTROPHILIC SUBSTITUTION AT SATURATED CARBON. XXVII. CARBANIONS AS INTERMEDIATES IN THE BASE-CATALYZED METHYLENE-ASOMETHINE REARRANGEMENT,
AD-646 803 7C U67 07

SULFUR
A STUDY TOWARD DEVELOPMENT OF AN AUTOMATED MICROBIAL METABOLISM LABORATORY MONTHLY PROGRESS REPORT.
N67-15983 6M S05 06 HC$ 3.00 MF$ 0.65

SULFUR, COLOR CENTERS
SULFUR DONORS IN SILICON INFRARED TRANSITIONS AND EFFECTS OF CALIBRATED UNIAXIAL STRESS,
AD-646 490 20L U67 07

SULFUR, JET ENGINE FUELS
EFFECT OF SULFUR IN JP-5 FUEL ON HOT CORROSION OF COATED SUPERALLOYS IN MARINE ENVIRONMENT.
AD-646 818 11F U67 07 HC$ 3.00 MF$ 0.65

SUN, VARIABLE STARS
THE SUN AS A VARIABLE STAR III.
AD-646 446 3B U67 07 HC$ 3.00 MF$ 0.65

SUPERAERODYNAMICS, BLUNT BODIES
EXPERIMENTAL INVESTIGATION OF THE DENSITY FLOW FIELD IN THE STAGNATION REGION OF A BLUNT BODY IN HIGH SPEED RAREFIED FLOW,
AD-646 743 20D U67 07 HC$ 3.00 MF$ 0.65

SUPERAERODYNAMICS, MATHEMATICAL ANALYSIS
THE LINEARIZED RAYLEIGH PROBLEM IN A RAREFIED GAS FLOW ACCORDING TO THE BGK MODEL.
AD-646 559 20D U67 07 HC$ 3.00 MF$ 0.65

SUPERAERODYNAMICS, MOMENTS
ON THE COMPUTATION OF FLOW AT LARGE KNUDSEN NUMBERS,
AD-646 460 20D U67 07 HC$ 3.00 MF$ 0.65

SUPERCONDUCTIVITY
SUPERCONDUCTIVITY IN NB C- NB N SOLID SOLUTIONS.
N67-15689 20L S05 06 HC$ 3.00 MF$ 0.65

SUPERCONDUCTIVITY, NIOBIUM
TRANSITION SUPRACONDUCTRICE ET MAGNETORESISTANCE EN CHAMP FAIBLE D UN ECHANTILLON MONOCRISTALLIN DE NIORIUM A 4,2K (SUPERCONDUCTIVE TRANSITION AND LOW-FIELD MAGNETORESISTANCE OF A NIOBIUM SINGLE CRYSTAL AT 4.2K),
PB-174 041 20C U67 07 HC$ 3.00 MF$ 0.65

SUPERCONDUCTOR
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N67-16692 20C S05 06 HC$ 3.00 MF$ 0.65

SUPERCONDUCTORS, NUCLEATION
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AD-646 989 20C U67 07 HC$ 3.00 MF$ 0.65

SUPERNOVAE, NUCLEAR REACTIONS
THE IRON GROUP ELEMENTS AND THE EQUILIBRIUM PROCESS IN NUCLEOSYNTHESIS,
AD-646 788 3B U67 07

SUPERSONIC COMBUSTION RAMJET ENGINES, MODEL TESTS
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AD-646 599 21E U67 07 HC$ 3.00 MF$ 0.65

SUPERSONIC COMBUSTION, SIMULATION
ANALYTICAL STUDY OF SHOCK TUNNEL SIMULATION OF COMBUSTOR ENTRANCE CONDITIONS,
AD-646 599 21E U67 07 HC$ 3.00 MF$ 0.65

SUPERSONIC FLOW
NUMERICAL SOLUTION OF THE PROBLEM OF SUPERSONIC FLOW AT AN ANGLE OF ATTACK PAST CONICAL BODIES.
N67-15693 1A S05 06 HC$ 3.00 MF$ 0.65

SHAPES FORMED BY STREAM SURFACES OF CONICAL FLOWS.
N67-15694 1A S05 06 HC$ 3.00 MF$ 0.65

SOME EXACT SOLUTIONS OF THE PROBLEM OF THE HYPERSONIC OR SUPERSONIC FLOW OF A GAS PAST A SLIPPING WING WITH STALL FENCE.
N67-15842 1A S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE PRESSURE DISTRIBUTION ON OSCILLATING PANELS IN LOW SUPERSONIC FLOW WITH TURBULENT BOUNDARY LAYER.
N67-16669 20D S05 06 HC$ 3.00 MF$ 0.65

SUPERSONIC FLUTTER
FLUTTER ANALYSIS OF FLAT RECTANGULAR PANELS BASED ON THREE-DIMENSIONAL SUPERSONIC UNSTEADY POTENTIAL FLOW.
N67-16675 20D S05 06 HC$ 3.00 MF$ 0.65

SUPERSONIC PLANES, DESIGN
THE SONIC BOOM PROBLEM.
AD-646 676 1C U67 07 HC$ 3.00 MF$ 0.65

SUPERSONIC WIND TUNNEL
EFFECTS OF CONFIGURATION GEOMETRY ON THE SUPERSONIC AERODYNAMIC CHARACTERISTICS OF A SIMULATED LAUNCH VEHICLE.
N67-15957 1A S05 06 HC$ 3.00 MF$ 0.65

SUPPORT SYSTEM
STUDY, FABRICATION, AND TESTING OF A FOIL BEARING ROTOR SUPPORT SYSTEM QUARTERLY REPORT, PERIOD ENDING 15 NOV. 1966.
N67-16509 13M S05 06 HC$ 3.00 MF$ 0.65

SURFACE PROPERTY
MULTIDISCIPLINARY RESEARCH ACTIVITY IN THE MATERIALS SCIENCES WITH EMPHASIS ON CERAMIC MATERIALS SEMIANNUAL STATUS REPORT, JUN. 16 - DEC. 15, 1966.
N67-15390 11B S05 06 HC$ 3.00 MF$ 0.65

SURFACE ROUGHNESS
THE EFFECT OF SURFACE ROUGHNESS AND WAVINESS UPON THE OVERALL THERMAL CONTACT RESISTANCE.
N67-15385 20M S05 06 HC$ 3.00 MF$ 0.65

SURFACE TENSION, LIQUIDS
CRITICAL SURFACE TENSION FOR SPREADING ON A LIQUID SUBSTRATE.
AD-646 869 7D U67 07 HC$ 3.00 MF$ 0.65

SURVEYOR PROJECT
SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME VI FOR THE PERIOD JULY 1 TO AUGUST 31, 1966. SPACE EXPLORATION PROGRAMS AND SPACE SCIENCES.
N67-15685 22B S05 06 HC$ 3.00 MF$ 0.65

SPACE PROGRAMS SUMMARY NO. 37-42, VOLUME VI FOR THE PERIOD SEPTEMBER 1 TO OCTORER 31, 1966. SPACE EXPLORATION PROGRAMS AND SPACE SCIENCES.
N67-16561 22A S05 06 HC$ 3.00 MF$ 0.65

SURVIVAL, BODY TEMPERATURE
PHYSIOLOGICAL IMPLICATIONS AS TO SURVIVAL DURING IMMERSION IN WATER AT 75F,
AD-646 826 6S U67 07

SUSPENSION DEVICES, BIBLIOGRAPHIES
PARTIAL BIBLIOGRAPHY ON SUBJECTS RELATED TO ACTIVE VIBRATION ISOLATION AND ACTIVE VEHICLE SUSPENSIONS,
PB-173 649 13F U67 07 HC$ 3.00 MF$ 0.65

SWITCHING
SYSTEMS AND CONTROLS LABORATORY RESEARCH REPORT.
N67-16061 9C S05 06 HC$ 3.00 MF$ 0.65

SYMBOLS, VISIBILITY
STUDIES OF DISPLAY SYMBOL LEGIBILITY. PART XII. THE LEGIBILITY OF ALPHANUMERIC SYMBOLS FOR DIGITALIZED TELEVISION,
AD-646 680 5H U67 07 HC$ 3.00 MF$ 0.65

SYMPATHOLYTIC AGENTS, HEAT PRODUCTION(BIOLOGY)
ADRENERGIC BETA-RECEPTORS AND NON-SHIVERING THERMOGENESIS.
AD-646 819 6P U67 07

SYMPOSIA, AEROSOLS
SUMMARY OF THE CONFERENCE ON THE OPTICAL PROPERTIES OF AEROSOLS, 15-17 OCTOBER 1964, ONONDAGA CONFERENCE CENTER, STERLING FOREST, TUXEDO, NEW YORK.
AD-645 612 4A U67 07 HC$ 3.00 MF$ 0.65

SYMPOSIA, MATHEMATICAL MODELS
ALL UNION CONFERENCE-SEMINAR ON THE THEORY AND METHODS OF USING MATHEMATICAL MODELS. TRANSACTIONS.
AD-645 712 9R U67 07 HC$ 3.00 MF$ 0.65

SYNCHRONOUS SATELLITES, GEOPHYSICS
AN APPLICATION OF METHODS OF FUNCTION MINIMISATION TO A PROBLEM OF NON-LINEAR CURVE FITTING ARISING IN THE ESTIMATION OF GEOPHYSICAL CONSTANTS FROM SATELLITE OBSERVATIONS.
AD-645 648 8F U67 07 HC$ 3.00 MF$ 0.65

SYNTAX, ENGLISH LANGUAGE
SOME ASPECTS OF THE THEMATIC ORGANIZATION OF THE ENGLISH CLAUSE.
AD-645 683 9G U67 07 HC$ 3.00 MF$ 0.65

SYNTHESIS
REGULATION OF RNA SYNTHESIS FINAL SCIENTIFIC REPORT.
N67-15434 6A S05 06 HC$ 3.00 MF$ 0.65

SYNTHETIC RUBBER, ADDITIVES
SCREENING AND EVALUATION OF ANTIOZONANTS AND WAXES IN SB-R RUBBER.
AD-645 759 11J U67 07 HC$ 3.00 MF$ 0.65

SYNTHETIC RUBBER, POLYMERIZATION
SOLUTION POLYMERIZED BUTADIENE/STYRENE RUBBERS FOR WIRE AND CABLE APPLICATIONS.
AD-645 939 11J U67 07 HC$ 3.00 MF$ 0.65

SYSTEM FAILURE
RANGER VI MISSION DESCRIPTION AND PERFORMANCE.
N67-13682 22A S05 06 HC$ 3.00 MF$ 0.65

SYSTEM STABILITY
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N67-15695 12A S05 06 HC$ 3.00 MF$ 0.65

SYSTEMS ANALYSIS
SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME IV FOR THE PERIOD AUGUST 1 TO SEPTEMBER 30, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
N67-15701 22A S05 06 HC$ 3.00 MF$ 0.65

SYSTEMS ENGINEERING
STUDY OF THE AUTOMATED BIOLOGICAL LABORATORY PROJECT DEFINITION VOLUME I - SUMMARY FINAL REPORT, 10 AUG. 1964 - 10 AUG. 1965.
N67-15575 22A S05 06 HC$ 3.00 MF$ 0.65

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N67-15577 22A S05 06 HC$ 3.00 MF$ 0.65

SYSTEMS ENGINEERING, RADIO TELESCOPES
A PROPOSAL FOR A VERY LARGE ARRAY RADIO TELESCOPE. VOLUME II. SYSTEMS DESIGN.
PB-173 913 9F U67 07 HC$ 3.00 MF$ 0.65

S-HETEROCYCLIC COMPOUNDS, FREE RADICALS
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AD-645 422 7C U67 07

S-MATRIX, DIAGRAMS
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AD-645 936 20J U67 07

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AD-646 815 12A U67 07 HC$ 3.00 MF$ 0.65

TANKS(COMBAT VEHICLES), HOMING DEVICES
EXPERIMENTAL DETERMINATION OF THE SUITABILITY OF PULSED LIGHT SYSTEMS FOR SEMIACTIVE HOMING AGAINST TANKS.
AD-645 644 17B U67 07 HC$ 3.00 MF$ 0.65

TANTALUM ALLOY
EFFECT OF 1000 HOUR THERMAL EXPOSURES ON TENSILE PROPERTIES OF REFRACTORY METAL ALLOYS.
N67-16564 11F S05 06 HC$ 3.00 MF$ 0.65

CONTAMINATION EXPOSURES OF COLUMBIUM AND TANTALUM ALLOY SPECIMENS FINAL REPORT, 25 FEB. 1965 - 15 JUN. 1966.
N67-15673 11F S05 06 HC$ 3.00 MF$ 0.65

TARGET PENETRATION
MULTIVARIABLE ANALYSIS OF THE MECHANICS OF PENETRATION OF HIGH SPEED PARTICLES.
N67-16664 20K S05 06 HC$ 3.00 MF$ 0.65

TECHNICAL INFORMATION CENTERS, UNITED STATES GOVERNMENT
PROGRESS OF THE UNITED STATES GOVERNMENT IN SCIENTIFIC AND TECHNICAL COMMUNICATIONS 1965.
PB-173 518 5B U67 07 HC$ 3.00 MF$ 0.65

TELECOMMUNICATION
SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME IV FOR THE PERIOD AUGUST 1 TO SEPTEMBER 30, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
N67-15701 22A S05 06 HC$ 3.00 MF$ 0.65

SPACE PROGRAMS SUMMARY NO. 37-40, VOLUME IV FOR THE PERIOD JUNE 1 - JULY 31, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
N67-15781 22B S05 06 HC$ 3.00 MF$ 0.65

TELEMETER SYSTEMS, MINIATURE ELECTRONIC EQUIPMENT
MINIATURIZED RADIOTELEMETRY DEVICE FOR MONITORING TEMPERATURES.
Y-1568 9F N21 04 HC$ 3.00 MF$ 0.65

TELEMETERING ANTENNAS, RINGS
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AD-646 762 9F U67 07 HC$ 3.00 MF$ 0.65

TELEPHONE LINES, ALUMINUM
DESIGN AND MANUFACTURE OF PLASTIC INSULATED ALUMINUM CONDUCTOR TELEPHONE CABLE.
AD-646 541 17B U67 07 HC$ 3.00 MF$ 0.65

TELEPHONE LINES, BARRIER COATINGS
PROTECTION OF TELEPHONE CABLES FROM ATTACK BY INSECTS.
AD-646 543 17B U67 07 HC$ 3.00 MF$ 0.65

TELEPHONE LINES, MOISTURE
MOISTURE PERMEATION AND ITS EFFECT ON COMMUNICATION CABLE.
AD-646 528 17B U67 07 HC$ 3.00 MF$ 0.65

TELEPHONE LINES, PLASTIC COATINGS
NEW COATING PROCESS FOR FOAMED POLYETHYLENE INSULATED TELEPHONE CABLE.
AD-646 542 17B U67 07 HC$ 3.00 MF$ 0.65

TELEPHONE LINES, TEST SETS
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AD-646 534 17B U67 07 HC$ 3.00 MF$ 0.65

TELEVISION DISPLAY SYSTEMS, AIR TRAFFIC CONTROL SYSTEMS
TECHNICAL EVALUATION OF EIDOPHOR.
AD-646 913 17G U67 07 HC$ 3.00 MF$ 0.65

TELEVISION DISPLAY SYSTEMS, SYMBOLS
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AD-646 668 5H U67 07 HC$ 3.00 MF$ 0.65

TELLURIDES, SYNTHESIS(CHEMISTRY)
HIGH PRESSURE SYNTHESIS OF ARSENOPYRITE-TYPE TERNARY COMPOUNDS.
AD-646 477 7B U67 07

TELLURIUM, PHOTOCONDUCTIVITY
PHOTOCONDUCTIVITY AND NOISE IN TELLURIUM.
AD-417 657 20L U67 07 HC$ 3.00

TEMPERATURE CONTROL, INFRARED DETECTORS
IR DETECTOR TEMPERATURE REGULATOR FOR CO VIBRALUMINESCENCE STUDIES.
AD-646 429 20F U67 07 HC$ 3.00 MF$ 0.65

TEMPERATURE CONTROL, LIFE SUPPORT
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AD-646 921 6K U67 07 HC$ 3.00 MF$ 0.65

TEMPERATURE DISTRIBUTION
THEORETICAL INVESTIGATION OF RADIANT HEAT TRANSFER IN THE FUEL REGION OF A GASEOUS NUCLEAR ROCKET ENGINE.
N67-16013 21F S05 06 HC$ 3.00 MF$ 0.65

TEMPERATURE EFFECT
SUPERCONDUCTIVITY IN NB C- NB N SOLID SOLUTIONS.
N67-15689 20L S05 06 HC$ 3.00 MF$ 0.65

A STUDY OF THE EFFECTS OF VARIOUS HEAT INPUT RATES ON T-1A STEEL WELDS.
N67-16541 13H S05 06 HC$ 3.00 MF$ 0.65

MEASURED TEMPERATURE STRUCTURE IN NOCTILUCENT CLOUDS.
N67-16550 4A S05 06 HC$ 3.00 MF$ 0.65

ABSORPTION OF SOUND IN AIR VERSUS HUMIDITY AND TEMPERATURE.
N67-16662 20A S05 06 HC$ 3.00 MF$ 0.65

EVALUATION OF HIGH-TEMPERATURE BEARING CAGE MATERIALS.
N67-16693 13I S05 06 HC$ 3.00 MF$ 0.65

TEMPERATURE PROBE
EVALUATION OF A THIN-FILM, HEAT-FLUX PROBE FOR MEASURING GAS VELOCITIES IN AN UNSTABLE ROCKET COMBUSTOR.
N67-16678 21B S05 06 HC$ 3.00 MF$ 0.65

TENSILE STRENGTH
EFFECT OF 1000 HOUR THERMAL EXPOSURES ON TENSILE PROPERTIES OF REFRACTORY METAL ALLOYS.
N67-16564 11F S05 06 HC$ 3.00 MF$ 0.65

TENSOR ANALYSIS
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N67-16519 20J S05 06 HC$ 3.00 MF$ 0.65

TERNARY SYSTEM
TWO THREE-METAL CHEMICAL COMPOUNDS (NA K HG2 AND NA CD HG),
N67-15557 78B S05 06 HC$ 3.00 MF$ 0.65

TEST EQUIPMENT(ELECTRONICS), CALIBRATION
IMPEDANCE BRIDGE MODEL 1650-A (GENERAL RADIO),
PB-174 023 14B U67 07 HC$ 3.00 MF$ 0.65

TEST EQUIPMENT, FIBERS(SYNTHETIC)
BEHAVIOR OF NOTCHED FIBERS IN LONGITUDINAL TENSION,
AD-464 235 11E U67 07 HC$ 3.00

TEST EQUIPMENT, WOOD
A HORIZONTAL MACHINE FOR TESTING STRUCTURAL WOOD ELEMENTS IN TENSION.
AD-646 564 14B U67 07 HC$ 3.00 MF$ 0.65

TEST FACILITIES, ANTENNAS
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AD-645 592 9E U67 07 HC$ 3.00 MF$ 0.65

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AD-645 734 14R U67 07 HC$ 3.00 MF$ 0.65

TEST FACILITY
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N67-15685 22B S05 06 HC$ 3.00 MF$ 0.65

TEST METHOD
BASIC CRITERIA AND DEFINITIONS FOR ZERO FLUID LEAKAGE.
N67-15681 20D S05 06 HC$ 3.00 MF$ 0.65

TEST PROGRAM
STUDY OF ASBESTOS FOR ELECTROCHEMICAL CELLS FIRST SUMMARY REPORT.
N67-15563 10A S05 06 HC$ 3.00 MF$ 0.65

TEST SETS, TELEPHONE LINES
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AD-645 534 17B U67 07 HC$ 3.00 MF$ 0.65

TESTS, MECHANICAL PROPERTIES
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AD-645 609 20K U67 07 HC$ 3.00 MF$ 0.65

THEOREMS, FUNCTIONS
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THERMAL CYCLING
RESEARCH INTO FUNDAMENTAL PHENOMENA ASSOCIATED WITH SPACECRAFT ELECTROCHEMICAL DEVICES--CALORIMETRY OF NICKEL-CADMIUM CELL PROGRESS REPORT, JAN. 1 - SEP. 30, 1966.
N67-15609 10C S05 06 HC$ 3.00 MF$ 0.65

THERMAL EFFECT
EFFECT OF 1000 HOUR THERMAL EXPOSURES ON TENSILE PROPERTIES OF REFRACTORY METAL ALLOYS.
N67-15564 11F S05 06 HC$ 3.00 MF$ 0.65

THERMAL INSULATION
SELF-EVACUATED MULTILAYER INSULATION OF LIGHTWEIGHT PREFABRICATED PANELS FOR CRYOGENIC SPACE PROPULSION VEHICLES.
N67-15646 22B S05 06 HC$ 3.00 MF$ 0.65

THERMAL NEUTRONS, RADIATION MEASUREMENT SYSTEMS
ETUDE DES DETECTEURS A GAZ POUR NEUTRONS THERMIQUES FONCTIONNANT EN COLLECTION DE COURANT (GAS DETECTORS FOR THERMAL NEUTRON AT HIGH COUNTING RATES).
PB-174 034 18D U67 07 HC$ 3.00 MF$ 0.65

THERMAL PLASMA
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N67-15618 20I S05 06 HC$ 3.00 MF$ 0.65

THERMAL POWER
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N67-15570 20M S05 06 HC$ 3.00 MF$ 0.65

THERMAL PROPERTIES, STABILITY
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AD-645 621 20M U67 07 HC$ 3.00 MF$ 0.65

THERMAL RADIATION
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N67-15513 20M S05 06 HC$ 3.00 MF$ 0.65

A SURVEY OF THERMAL RADIATION STUDIES OF ABLATING BODIES IN THE BALLISTIC RANGE.
N67-15686 20M S05 06 HC$ 3.00 MF$ 0.65

THERMAL RADIATION, HEAT EXCHANGERS
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THERMAL RADIATION, SHIPS
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AD-646 858 13J U67 07

THERMAL STRESSES, DIFFERENCE EQUATIONS
THERMAL STRESSES IN A SEMI-INFINITE SOLID BY A FINITE DIFFERENCE TECHNIQUE.
AD-646 862 19D U67 07 HC$ 3.00 MF$ 0.65

THERMAL STRESSES, STRUCTURAL PARTS
TEMPERATURE STRESSES IN A THIN ELASTIC PLATE WITH THE PRESENCE OF A SOURCE OF HEAT ON THE CONTOUR OF THE PLATE,
AD-646 928 20K U67 07 HC$ 3.00 MF$ 0.65

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AD-465 704 10A U67 07 HC$ 3.00 MF$ 0.65

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N67-16043 7D S05 06 HC$ 3.00 MF$ 0.65

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AD-646 586 7D U67 07 HC$ 3.00 MF$ 0.65

THERMOCHEMISTRY, MASS SPECTROSCOPY
MOLECULAR BEAM SAMPLING OF UNSTABLE SPECIES FROM HIGH PRESSURE SYSTEMS,
AD-646 935 7D U67 07 HC$ 3.00 MF$ 0.65

THERMOCONDUCTIVITY
THE THERMAL CONDUCTION PROCESS IN CARBONACEOUS CHARS.
N67-16556 20M S05 06 HC$ 3.00 MF$ 0.65

THERMOCOUPLE
TRANSIENT RADIATION EFFECTS ON THERMOCOUPLES.
N67-16632 18D S05 06 HC$ 3.00 MF$ 0.65

THERMOCOUPLES, CALIBRATION
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PB-174 080 14R U67 07 HC$ 3.00 MF$ 0.65

THERMODYNAMIC EFFICIENCY
COMPUTER PROGRAM FOR THERMODYNAMIC PERFORMANCE OF BRAYTON-CYCLE SPACE-POWER SYSTEMS.
N67-16680 10A S05 06 HC$ 3.00 MF$ 0.65

THERMODYNAMIC PROPERTY
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THERMODYNAMICS, THEORY
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AD-646 664 20M U67 07 HC$ 3.00 MF$ 0.65

THERMOPHYSICAL PROPERTY
THE DEPENDENCE OF CERTAIN ELECTROPHYSICAL AND THERMOPHYSICAL PROPERTIES OF ZIRCONIUM MONOCARBIDE ON CARBON CONTENT IN THE HOMOGENEITY REGION.
N67-15845 20L S05 06 HC$ 3.00 MF$ 0.65

THIN FILM
STUDY OF THIN DIELECTRIC FILMS FOR THERMO-DIELECTRIC ENERGY CONVERSION QUARTERLY REPORT, 1 MAR. - 31 MAY 1966.
N67-16510 20L S05 06 HC$ 3.00 MF$ 0.65

RESEARCH AND DEVELOPMENT IN CD S PHOTOVOLTAIC CELLS FINAL REPORT, 28 JUN. 1965 - 27 JUN. 1966.
N67-16562 10A S05 06 HC$ 3.00 MF$ 0.65

RESEARCH ON THE MECHANISM AND KINETICS OF OXIDATION OF SILICON IN AIR SEMIANNUAL REPORT, 1 JUN. - 30 NOV. 1966.
N67-16631 7D S05 06 HC$ 3.00 MF$ 0.65

EVALUATION OF A THIN-FILM, HEAT-FLUX PROBE FOR MEASURING GAS VELOCITIES IN AN UNSTABLE ROCKET COMBUSTOR.
N67-16678 21B S05 06 HC$ 3.00 MF$ 0.65

THIN LAYER CHROMATOGRAPHY, AIRPLANE ENGINE OILS
USE OF THIN-LAYER CHROMATOGRAPHY (TLC) FOR IDENTIFICATION OF AIRCRAFT ENGINE OIL COMPONENTS,
AD-646 699 11H U67 07 HC$ 3.00 MF$ 0.65

THREE-DIMENSIONAL FLOW
INVESTIGATION OF THE FLOW PAST ELIPTICAL CONES.
N67-15559 1A S05 06 HC$ 3.00 MF$ 0.65

FLUTTER ANALYSIS OF FLAT RECTANGULAR PANELS BASED ON THREE-DIMENSIONAL SUPERSONIC UNSTEADY POTENTIAL FLOW.
N67-16675 20D S05 06 HC$ 3.00 MF$ 0.65

THRUSTOR
DESIGN, DEVELOPMENT, FABRICATION, TEST AND DELIVERY OF ELECTROTHERMAL ENGINE SYSTEMS SEMIANNUAL REPORT, DEC. 1965 - JUN. 1966.
N67-15677 21H S05 06 HC$ 3.00 MF$ 0.65

S- BAND LABORATORY TEST EQUIPMENT FINAL REPORT.
N67-15678 21H S05 06 HC$ 3.00 MF$ 0.65

A THERMODYNAMIC FLOW ANALYSIS OF PARTICLE FORMATION EFFICIENCY IN A MIXED FLOW COLLOID THRUSTOR.

N67-15045 20M S05 06 HC$ 3.00 MF$ 0.65

TIME DELAY
STABILITY OF SYSTEMS WITH DELAY.
N67-13695 12A S05 06 HC$ 3.00 MF$ 0.65

TIN COMPOUNDS, METALORGANIC COMPOUNDS
FUNDAMENTAL CHEMISTRY OF ORGANOTIN COMPOUNDS.
AD-474 501 7C U67 07 HC$ 3.00 MF$ 0.65

TIN, BAND THEORY OF SOLIDS
QUARTERLY PROGRESS REPORT NO. 63 OF SOLID-STATE AND MOLECULAR THEORY GROUP.
AD-645 582 20J U67 07 HC$ 3.00 MF$ 0.65

TIRES, DRAG
THE DRAG OF A LARGE AND SMALL PNEUMATIC TYRE TRAVELLING THROUGH WATER, SLUSH AND SNOW.
AD-645 464 1C U67 07 HC$ 3.00 MF$ 0.65

TIROS IV SATELLITE
THE IONOSPHERE AT 640 KILOMETERS ON QUIET AND DISTURBED DAYS.
N67-13548 4A S05 06 HC$ 3.00 MF$ 0.65

TIROS VIII SATELLITE
ON THE LONG PERIOD PERTURBATIONS IN THE MOTION OF SMALL ECCENTRICITY SATELLITES.
N67-15549 22C S05 06 HC$ 3.00 MF$ 0.65

TISSUE CULTURE, ARTHROPODS
ARTHROPOD TISSUE CULTURE. A BRIEF OUTLINE OF ITS DEVELOPMENT AND DESCRIPTIONS OF SEVERAL OF ITS APPLICATIONS.
AD-645 391 6M U67 07 HC$ 3.00 MF$ 0.65

TITANATES, PARAMAGNETIC RESONANCE
MILLIMETER ELECTRON PARAMAGNETIC RESONANCE IN STRONTIUM TITANATE.
AD-645 439 20L U67 07 HC$ 3.00 MF$ 0.65

TITANIUM ALLOY
DETERMINATION OF THE EMISSIVITY OF MATERIALS SEMIANNUAL PROGRESS REPORT, 15 MAY - 14 NOV. 1966.
N67-15569 20M S05 06 HC$ 3.00 MF$ 0.65

TITANIUM ALLOYS, CORROSION
PROTECTION OF TITANIUM ALLOYS AGAINST HIGH TEMPERATURE GASEOUS CORROSION.
AD-645 424 11F U67 07 HC$ 3.00 MF$ 0.65

TORPEDOES, ELECTRIC WIRE
HIGH-VOLTAGE UNDERWATER CABLE FOR TORPEDO PROPULSION.
AD-645 532 9A U67 07 HC$ 3.00 MF$ 0.65

TORSION, NONLINEAR PROGRAMMING
ELASTIC PLASTIC TORSION AS A PROBLEM IN NON-LINEAR PROGRAMMING.
AD-645 885 20K U67 07 HC$ 3.00 MF$ 0.65

TOXICITY, MEDICAL RESEARCH
PROCEEDINGS OF THE ANNUAL CONFERENCE ON ATMOSPHERIC CONTAMINATION IN CONFINED SPACES (2ND), 4 AND 5 MAY 1966.
AD-645 512 6S U67 07 HC$ 3.00 MF$ 0.65

TRAFFIC, URBAN AREAS
TRANSIMVILLE APPLICATION OF TRANSIM TO ANALYSIS OF THE EFFECTS OF MUNICIPAL REGULATIONS ON MOTOR CARRIER OPERATIONS.
PB-174 021 13F U67 07 HC$ 3.00 MF$ 0.65

TRAINING DEVICES, PERFORMANCE(HUMAN)
THE MANEUVERING TACTICS TRAINER.
AD-645 774 5I U67 07 HC$ 3.00 MF$ 0.65

TRAINING, TEACHING METHODS
A STUDY TO DEVELOP METHODS FOR IMPROVING THE TRAINING OF CONSTRUCTION AND MATERIALS INSPECTORS.
PB-174 013 13B U67 07 HC$ 3.00 MF$ 0.65

TRAJECTORIES, NUMERICAL ANALYSIS
ON THE EQUIVALENCE OF LINEARIZED KALMAN FILTERS.
AD-645 556 12A U67 07 HC$ 3.00 MF$ 0.65

TRAJECTORY OPTIMIZATION
RONDVU/ PRESTO - PROGRAM FOR RENDEZVOUS MISSION TRAJECTORY OPTIMIZATION.
N67-15667 22C S05 06 HC$ 3.00 MF$ 0.65

TRANSDUCERS, PERFORMANCE(ENGINEERING)
METHODS FOR PERFORMANCE-TESTING OF ELECTROMECHANICAL PRESSURE TRANSDUCERS.
NBS-TN-411 9C U67 07 HC$ 0.25 MF$ 0.65

TRANSFER TRAJECTORIES, OPTIMIZATION
NECESSARY CONDITIONS FOR OPTIMAL SINGLE IMPULSE TRANSFER.
AD-645 814 22C U67 07

OPTIMIZATION PROBLEMS IN POWERED SPACE FLIGHT.
AD-645 923 22C U67 07

TRANSISTORS, DIGITAL SYSTEMS
METAL-OXIDE-SEMICONDUCTOR FIELD-EFFECT TRANSISTORS IN DIGITAL CIRCUITS.
AD-645 914 9A U67 07 HC$ 3.00 MF$ 0.65

TRANSISTORS, DISTORTION
A DISTORTION ANALYSIS OF THE MOS TRANSISTOR.
AD-645 411 9A U67 07

TRANSISTORS, INTEGRATED CIRCUITS
INTEGRATED LOGIC NETS.
AD-646 726 9E U67 07 HC$ 3.00 MF$ 0.65

TRANSISTORS, PROGRAMMED INSTRUCTION
DEVELOPMENT AND EXPERIMENTAL EVALUATION OF AN AUTOMATED MULTI-MEDIA COURSE ON TRANSISTORS.
AD-646 671 5I U67 07 HC$ 3.00 MF$ 0.65

TRANSISTORS, RADIATION MEASUREMENT SYSTEMS
LINEAR-LOG COUNTING-RATE METER UTILIZING THE TRANSCONDUCTANCE CHARACTERISTICS OF A SILICON PLANAR TRANSISTOR.
ANL-6968 18D N21 04 HC$ 3.00 MF$ 0.65

TRANSITION ELEMENT
INTERACTION BETWEEN CARBIDES OF TRANSITION METALS AND THEIR OXIDES.
N67-15698 7B S05 06 HC$ 3.00 MF$ 0.65

DEVELOPMENT OF AN IMPROVED OXYGEN ELECTRODE FOR USE IN ALKALINE H2-O2 FUEL CELLS QUARTERLY REPORT, OCT. 1 - DEC. 31, 1966.
N67-16628 10B S05 06 HC$ 3.00 MF$ 0.65

TRANSITION ELEMENTS, CHEMISORPTION
CONTRIBUTION A L ETUDE DES INTERACTIONS DE L OXYDE DE CARBONE ET DES METAU DE TRANSITION (ON THE INTERACTIONS BETWEEN CARBON MONOXIDE AND TRANSITION METALS).
PB-174 835 7D U67 07 HC$ 3.00 MF$ 0.65

TRANSONIC FLOW
ON CERTAIN TYPES OF SELF-EXCITED OSCILLATION OCCURRING WITH AIRCRAFT CONTROL SURFACES IN TRANSONIC FLOW.
N67-16194 1D S05 06 HC$ 3.00 MF$ 0.65

TRANSPARENT PANELS, ACRYLIC RESINS
WINDOWS FOR EXTERNAL OF INTERNAL HYDROSTATIC PRESSURE VESSELS. PART I. CONICAL ACRYLIC WINDOWS UNDER SHORT-TERM PRESSURE APPLICATION.
AD-646 882 13M U67 07 HC$ 3.00 MF$ 0.65

TRANSPONDERS, UNDERWATER SOUND EQUIPMENT
MPL ACOUSTIC TRANSPONDER.
AD-646 521 17G U67 07

TRANSPORT PLANES, DESIGN
THE SONIC BOOM PROBLEM.
AD-646 676 1C U67 07 HC$ 3.00 MF$ 0.65

TRANSPORT PROPERTIES, HEAT TRANSFER
A SURVEY STUDY ON THE EFFECTS OF VIBRATIONS, SOUND FIELDS AND PULSATIONS ON HEAT AND MASS TRANSFER FROM FLAT PLATES, CYLINDERS AND DUCTS.
AD-475 428 20D U67 07 HC$ 3.00 MF$ 0.65

TRANSPORT PROPERTIES, OPTIMIZATION
UPPER AND LOWER BOUNDS FOR SOLUTIONS TO THE TRANSPORT EQUATION.
AD-646 801 12B U67 07

TRANSPORTATION, ABSTRACTS
PROTECTIVE STRUCTURES AND COMPONENTS COMPILATION OF ABSTRACTS.
AD-646 390 5A U67 07 HC$ 3.00 MF$ 0.65

TRANSPORTATION, FEASIBILITY STUDIES
PROJECT TUREFLIGHT. PHASE I. FEASIBILITY STUDY.
PB-174 085 13F U67 07 HC$ 3.00 MF$ 0.65

TRANSPORTATION, LAW
TRANSIMVILLE APPLICATION OF TRANSIM TO ANALYSIS OF THE EFFECTS OF MUNICIPAL REGULATIONS ON MOTOR CARRIER OPERATIONS.
PB-174 021 13F U67 07 HC$ 3.00 MF$ 0.65

TRAPPED PARTICLE
THE BEHAVIOR OF PARTICLES OF RADIATION BELTS DURING MAGNETIC STORMS.
N67-16508 4A S05 06 HC$ 3.00 MF$ 0.65

TRAVELING WAVE
THE TRAVELING-WAVE V-ANTENNA.
N67-15522 9F S05 06 HC$ 3.00 MF$ 0.65

TWO-DIMENSIONAL UNSTEADY FLOW IN A TRAVELING WAVE PLASMA ACCELERATOR.
N67-16558 20I S05 06 HC$ 3.00 MF$ 0.65

TRAVELING-WAVE ELECTRON ACCELERATORS, MAGNETOHYDRODYNAMICS
ONE-DIMENSIONAL ANALYSIS OF A TRAVELLING WAVE ACCELERATOR.
AD-646 778 20G U67 07 HC$ 3.00 MF$ 0.65

TREES, MECHANICAL PROPERTIES
PHYSICAL AND MECHANICAL PROPERTIES OF NORFOLK-ISLAND PINE GROWN IN HAWAII.
AD-646 563 2F U67 07 HC$ 3.00 MF$ 0.65

TREES, NATURAL RESOURCES
TIMBER RESOURCE DEVELOPMENT ON THE NORTHERN CHEYENNE INDIAN RESERVATION, A FEASIBILITY STUDY.
PB-174 057 2F U67 07 HC$ 3.00 MF$ 0.65

TRIAZINES, MOLECULAR ISOMERISM
CONFORMATION ISOMERIZATION OF HEXAHYDRO-1,3,5-TRIMETHYL-1,3,5-TRIAZINE.
AD-646 902 7C U67 07 HC$ 3.00 MF$ 0.65

TRITONS, NUCLEAR SPECTROSCOPY
MAGNETIC ANALYSIS OF THE LI6(HE3,T)BE6 REACTION.
AD-646 785 20H U67 07

TROPOSPHERE, AEROSOLS

STUDIES OF THE CHEMISTRY OF UNPOLLUTED ATMOSPHERES.
AD-645 465 4A U67 07 HC$ 3.00 MF$ 0.65

TROPOSPHERE, ATMOSPHERIC MOTION
MOTIONS IN THE UPPER TROPOSPHERE AS REVEALED BY SATELLITE-OBSERVED CIRRUS FORMATIONS.
PB-173 996 4B U67 07 HC$ 3.00 MF$ 0.65

TRUSS
COMPRESSION TESTS OF OPEN-FACE TRUSS-CORE SANDWICH PANELS.
N67-15688 20K S05 06 HC$ 3.00 MF$ 0.65

TRYPSIN, MAGNETIC FIELDS
ELECTROMAGNETIC RADIATION CHEMISTRY.
AD-645 645 7E U67 07 HC$ 3.00 MF$ 0.65

TUBING
STUDY OF PRESSURE LOSSES IN TUBING AND FITTINGS QUARTERLY PROGRESS REPORT, DEC. 1965 - FEB. 1966.
N67-15844 20D S05 06 HC$ 3.00 MF$ 0.65

TUNGSTEN, ELECTRON BOMBARDMENT
PROPOSITIONS POUR LE MECHANISME D ECHAUFFEMENT D UN CORPS PAR BOMBARDEMENT ELECTONIQUE (PROPOSALS FOR THE HEATING MECHANISM OF AN ELECTRONICALLY BOMBARDED BODY).
PB-174 039 20M U67 07 HC$ 3.00 MF$ 0.65

TUNGSTEN, LASERS
EFFECTS OF POWER DENSITY ON CHARACTERISTICS OF LASER BEAM INTERACTION WITH SOLID MATERIALS.
AD-645 732 20E U67 07 HC$ 3.00 MF$ 0.65

TUNGSTEN, REFRACTORY MATERIALS
HIGH VISCOSITY THERMAL PROTECTION MATERIALS.
AD-645 615 11R U67 07 HC$ 3.00 MF$ 0.65

TUNGSTEN, SINGLE CRYSTALS
FABRICATION AND PROPERTIES OF TUNGSTEN SINGLE CRYSTALS. PART I. GROWTH OF SINGLE CRYSTAL TUNGSTEN TO BE USED FOR ROLLING INTO SINGLE CRYSTAL SHEET. PART II. ROLLED SINGLE CRYSTAL TUNGSTEN SHEET.
AD-464 359 20B U67 07 HC$ 3.00

TURBINE
EXPERIMENTAL PERFORMANCE EVALUATION OF A 6.02-INCH RADIAL-INFLOW TURBINE OVER A RANGE OF REYNOLDS NUMBER.
N67-15694 10A S05 06 HC$ 3.00 MF$ 0.65

TURBINE BLADE
A STUDY OF THE RADIAL-AXIAL-FLOW TURBINE WITH LOW BLADE HEIGHTS AND LARGE CLEARANCES.
N67-15558 13I S05 06 HC$ 3.00 MF$ 0.65

ON FRICTION AND LEAKAGE LOSSES IN THE WORKING BLADE-RINGS OF RADIAL-FLOW TURBINES IN HELICOPTER AND TRANSPORT GAS-TURBINE UNITS.
N67-15940 10A S05 06 HC$ 3.00 MF$ 0.65

TURBINE WHEEL
EFFECT OF THE CLEARANCES BETWEEN THE CASTING AND THE WHEEL UPON THE EFFICIENCY OF THE CENTRIPETAL GAS TURBINE.
N67-15691 10A S05 06 HC$ 3.00 MF$ 0.65

TURBINES, FLUID FLOW
ON THE FORMULATION OF TWO DIMENSIONAL EDDY CURRENT PROBLEMS OF A COMPRESSIBLE LIQUID IN TURBOMACHINES.
AD-644 419 20D U67 07 HC$ 3.00 MF$ 0.65

TURBULENCE
VAN ALLEN BELT PLASMA PHYSICS.
N67-15511 4A S05 06 HC$ 3.00 MF$ 0.65

TURBULENCE, WAKE
THE GROWTH OF A TURBULENT WAKE IN A DENSITY-STRATIFIED FLUID.
AD-645 503 20D U67 07 HC$ 3.00 MF$ 0.65

TURBULENT BOUNDARY LAYER
COMPARISON OF EXPERIMENTAL DATA AND SEMIEMPIRICAL CALCULATIONS FOR AN INCOMPRESSIBLE TURBULENT BOUNDARY LAYER WITH A PRESSURE GRADIENT.
N67-15552 20D S05 06 HC$ 3.00 MF$ 0.65

STUDY OF THE PRESSURE DISTRIBUTION ON OSCILLATING PANELS IN LOW SUPERSONIC FLOW WITH TURBULENT BOUNDARY LAYER.
N67-15669 20D S05 06 HC$ 3.00 MF$ 0.65

TURBULENT HEAT TRANSFER
CORRELATION OF FREE-FLIGHT TURBULENT HEAT-TRANSFER DATA FROM AXISYMMETRIC BODIES WITH COMPRESSIBLE FLAT-PLATE RELATIONSHIPS.
N67-15691 20M S05 06 HC$ 3.00 MF$ 0.65

TWO-BODY PROBLEM
VIRTUAL TRANSITIONS TO THE CONTINUUM IN D16.
N67-15629 20M S05 06 HC$ 3.00 MF$ 0.65

TWO-DIMENSIONAL FLOW
A COMPUTER PROGRAM FOR CALCULATING VELOCITIES AND STREAMLINES FOR TWO-DIMENSIONAL, INCOMPRESSIBLE FLOW IN AXIAL BLADE ROWS.
N67-15661 20D S05 06 HC$ 3.00 MF$ 0.65

TWO-DIMENSIONAL UNSTEADY FLOW IN A TRAVELING WAVE PLASMA ACCELERATOR.
N67-15558 20I S05 06 HC$ 3.00 MF$ 0.65

TWO-DIMENSIONAL JET
EXPERIMENTAL INVESTIGATION OF SECONDARY JETS FROM TWO-DIMENSIONAL NOZZLES WITH VARIOUS EXIT MACH NUMBERS FOR HYPERSONIC CONTROL APPLICATION.
N67-15664 1A S05 06 HC$ 3.00 MF$ 0.65

TWO-PHASE FLOW
IMPROVED FLUID DYNAMICS SIMILARITY, ANALYSIS AND VERIFICATION ANNUAL REPORT, 29 JUN. 1965 - 28 JUN. 1966.
N67-15523 20D S05 06 HC$ 3.00 MF$ 0.65

TWO-PHASE FLOW, HEAT TRANSFER
AN INVESTIGATION OF THE HEAT TRANSFER ASPECTS OF HORIZONTAL TWO-PHASE FLOW.
AD-646 398 20D U67 07 HC$ 3.00 MF$ 0.65

ULTRACENTRIFUGES, BIOPHYSICS
ULTRACENTRIFUGATION STUDIES WITH ABSORPTION OPTICS. V. ANALYSIS OF INTERACTING SYSTEMS INVOLVING MACROMOLECULES AND SMALL MOLECULES.
AD-646 692 6A U67 07

ULTRAHIGH VACUUM
DEVELOPMENT OF A MASS SPECTROMETER SYSTEM SUMMARY TECHNICAL REPORT, 1 JUN. 1965 - 21 MAY 1966.
N67-15673 14R S05 06 HC$ 3.00 MF$ 0.65

ULTRASONIC RADIATION, INDIUM ANTIMONIDES
MAGNETO-ACOUSTIC EFFECTS IN N-INSB AT 9 GHZ. VOLUME XIX-2.
AD-646 478 20L U67 07

ULTRASONIC RADIATION, NON-DESTRUCTIVE TESTING
INVESTIGATION OF RESONANT BEAM AND ULTRASONIC METHODS FOR THE EVALUATION OF SINTERED POWDER STEEL COMPACTS.
AD-644 580 11F U67 07 HC$ 3.00 MF$ 0.65

ULTRASONIC WAVE
ULTRASONIC ATTENUATION IN SUPERCONDUCTING NIOBIUM.
N67-16692 20C S03 06 HC$ 3.00 MF$ 0.65

ULTRAVIOLET RADIATION
EMISSIVITY COATINGS FOR LOW-TEMPERATURE SPACE RADIATORS QUARTERLY PROGRESS REPORT, 1 JUL. - 30 SEP. 1966.
N67-16568 20M S05 06 HC$ 3.00 MF$ 0.65

ULTRAVIOLET SPECTROSCOPY, PLASTIC COATINGS
DETECTION OF ROSIN, ROSIN DERIVATIVES, AND PHENOLIC RESIN MODIFICATIONS IN ALKYD COATINGS USING ULTRAVIOLET SPECTROPHOTOMETRY.
AD-646 383 11C U67 07 HC$ 3.00 MF$ 0.65

ULTRAVIOLET SPECTRUM
AN INTEGRATING SPHERE COATING FOR THE VACUUM ULTRAVIOLET SPECTRAL REGION.
N67-16547 20F S05 06 HC$ 3.00 MF$ 0.65

UNDERGROUND EXPLOSIONS, DETECTION
GEOSCIENCES AND TECHNOLOGY BULLETIN, VOL. 1, NO. 3, 1966.
AD-646 738 17J U67 07 HC$ 3.00 MF$ 0.65

GEOSCIENCES AND TECHNOLOGY BULLETIN, VOL. 1, NO. 2, 1966.
AD-646 748 17J U67 07 HC$ 3.00 MF$ 0.65

UNDERWATER OBJECTS, WATER WAVES
ON THE SURFACE WAVE PATTERN OF SUBMERGED BODIES ARRESTED IMPULSIVELY FROM UNIFORM MOTION.
AD-646 887 20D U67 07 HC$ 3.00 MF$ 0.65

UNDERWATER SOUND EQUIPMENT, DISTANCE-MEASURING EQUIPMENT
ACOUSTIC DISTANCE MEASURING EQUIPMENT FOR RADIATED NOISE MEASUREMENTS.
AD-646 496 17A U67 07 HC$ 3.00 MF$ 0.65

UNDERWATER TRACKING, ATLANTIC OCEAN
TRACK CHARTS BATHYMETRY, AND LOCATION OF OBSERVATIONS, ATLANTIS II CRUISE NO. 22, NORTH ATLANTIC OCEAN, JUNE 18, 1966-AUGUST 3, 1966.
AD-646 908 8J U67 07 HC$ 3.00 MF$ 0.65

UNITED STATES GOVERNMENT, TECHNICAL INFORMATION CENTERS
PROGRESS OF THE UNITED STATES GOVERNMENT IN SCIENTIFIC AND TECHNICAL COMMUNICATIONS 1965.
PB-173 510 9B U67 07 HC$ 3.00 MF$ 0.65

UNSTEADY FLOW
TWO-DIMENSIONAL UNSTEADY FLOW IN A TRAVELING WAVE PLASMA ACCELERATOR.
N67-15558 20I S05 06 HC$ 3.00 MF$ 0.65

FLUTTER ANALYSIS OF FLAT RECTANGULAR PANELS BASED ON THREE-DIMENSIONAL SUPERSONIC UNSTEADY POTENTIAL FLOW.
N67-16675 20D S05 06 HC$ 3.00 MF$ 0.65

UPPER ATMOSPHERE
AN EXPERIMENT TO DETECT MICROORGANISMS IN THE UPPER ATMOSPHERE FLOWN ON AEROBEE NASA 4.150.
N67-16545 6M S05 06 HC$ 3.00 MF$ 0.65

UPPER ATMOSPHERE, SAMPLERS
CONDENSATION OF DRY AIR ON A LIQUID HYDROGEN COOLED SURFACE IN THE PRESSURE RANGE .001 TO 10 TOR (KNUDSEN NUMBER OF .0001 TO 1).
PB-174 024 20M U67 07 HC$ 3.00 MF$ 0.65

UPPER ATMOSPHERE, SCIENTIFIC SATELLITES
THE ALOUETTE II SATELLITE.
AD-646 816 22B U67 07

URANIUM ALLOYS, MECHANICAL PROPERTIES
THE MECHANICAL PROPERTIES OF DILUTE URANIUM ALLOYS AT ELEVATED TEMPERATURES.
MCW-1505 11F U67 07 HC$ 3.00 MF$ 0.65

URANIUM COMPOUNDS, CRYSTAL LATTICE DEFECTS
SPECULATION SUR LES DEFAUTS CRISTALLINS DANS UO2 ET UO2+X

(SOME SPECULATIONS CONCERNING CRYSTAL DEFECTS IN UO2 AND UO2+X).
PB-174 042 20L U67 07 HC$ 3.00 MF$ 0.65

URANUS(PLANET), BRIGHTNESS
THE SUN AS A VARIABLE STAR III.
AD-645 445 3B U67 07 HC$ 3.00 MF$ 0.65

UTILITY AIRCRAFT
WIND-TUNNEL INVESTIGATION OF THE FLIGHT CHARACTERISTICS OF A MODEL OF AN ASPECT- RATIO-6 CONICAL-PARAWING UTILITY VEHICLE.
N67-15684 1C S05 06 HC$ 3.00 MF$ 0.65

VACCINES, EFFECTIVENESS
SURVEILLANCE OF VIRAL RESPIRATORY DISEASES AND VACCINE EVALUATION IN A PEDIATRIC POPULATION.
PB-174 069 6E U67 07 HC$ 3.00 MF$ 0.65

VACCINES, JAPANESE B ENCEPHALITIS VIRUS
JOURNAL OF MICROBIOLOGY, VOLUME X, NO. 1, 1964 SELECTED ARTICLES.
AD-645 585 6M U67 07 HC$ 3.00 MF$ 0.65

VACCINES, PREPARATION
DEVELOPMENTAL STUDY RELATING TO THE PREPARATION OF A RESPIRATORY SYNCYTIAL VIRUS VACCINE.
PB-174 079 6M U67 07 HC$ 3.00 MF$ 0.65

VACUUM APPARATUS, REVIEWS
A SURVEY OF IONIZATION VACUUM GAGES AND THEIR PERFORMANCE CHARACTERISTICS.
NBS-TN-298 14B U67 07 HC$ 0.40 MF$ 0.65

VACUUM ULTRAVIOLET
AN INTEGRATING SPHERE COATING FOR THE VACUUM ULTRAVIOLET SPECTRAL REGION.
N67-15547 20F S05 06 HC$ 3.00 MF$ 0.65

VAN ALLEN BELT
VAN ALLEN BELT PLASMA PHYSICS.
N67-15511 4A S05 06 HC$ 3.00 MF$ 0.65

VANADIUM, LIQUID METALS
THE SOLUBILITIES OF SELECTED ELEMENTS IN LIQUID PLUTONIUM. IX. VANADIUM.
LA-3594 7B N21 04 HC$ 3.00 MF$ 0.65

VARIABLE GEOMETRY STRUCTURE
PRELIMINARY ANALYSIS OF THE EFFECTIVENESS OF VARIABLE-GEOMETRY GUIDE VANES TO CONTROL ROTOR-INLET FLOW CONDITIONS.
N67-15666 21A S05 06 HC$ 3.00 MF$ 0.65

VARIABLE STARS, SUN
THE SUN AS A VARIABLE STAR III.
AD-645 445 3B U67 07 HC$ 3.00 MF$ 0.65

VARIATION METHOD
A COMPARISON BETWEEN THE VARIATIONAL SOLUTION AND THE EXPERIMENTAL DATA.
N67-15899 9F S05 06 HC$ 3.00 MF$ 0.65

VARIATIONAL CALCULUS
HYPERSONIC PROFILE OF MINIMUM DRAG, HAVING AN ASSIGNED BENDING STRENGTH.
N67-15699 1A S05 06 HC$ 3.00 MF$ 0.65

VECTOR ANALYSIS, ALGORITHMS
AN ALGOL CONVOLUTION PROCEDURE BASED ON THE FAST FOURIER TRANSFORM.
AD-645 628 12A U67 07 HC$ 3.00 MF$ 0.65

VEGETABLES, IRRADIATED FOODS
IRRADIATION PRESERVATION OF FRESH-WATER FISH AND INLAND FRUITS AND VEGETABLES.
COO-1783-40 6H U67 07 HC$ 3.00 MF$ 0.65

VEHICLES, DRAG
AERODYNAMIC DRAG ON VEHICLES IN ENCLOSED GUIDEWAYS.
PB-173 646 13F U67 07 HC$ 3.00 MF$ 0.65

VELOCITY MEASUREMENT
EVALUATION OF A THIN-FILM, HEAT-FLUX PROBE FOR MEASURING GAS VELOCITIES IN AN UNSTABLE ROCKET COMBUSTOR.
N67-15678 21B S05 06 HC$ 3.00 MF$ 0.65

VENUS PROBE
ESTIMATION OF PLANETARY CONTAMINATION PROBABILITIES DUE TO FLIGHT OF THE U. S. S. P. VENUS 3.
N67-15512 22A S05 06 HC$ 3.00 MF$ 0.65

VESTIBULAR APPARATUS, ACCELERATION
KINEMATICS NOMENCLATURE FOR PHYSIOLOGICAL ACCELERATIONS WITH SPECIAL REFERENCE TO VESTIBULAR APPLICATIONS.
AD-645 581 6S U67 07 HC$ 3.00 MF$ 0.65

VIBRATION MODE
THE VIBRATION BEHAVIOR OF CIRCULAR CONICAL SHELLS.
N67-15556 20K S05 06 HC$ 3.00 MF$ 0.65

VIBRATIONAL FREQUENCY
VIBRATION ANALYSIS OF CYLINDRICALLY CURVED PANELS WITH SIMPLY SUPPORTED OR CLAMPED EDGES AND COMPARISON WITH SOME EXPERIMENTS.
N67-15689 20K S05 06 HC$ 3.00 MF$ 0.65

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TOXICOLOGIC EVALUATION OF 2,2 -(9-10-ANTHRYLENEDIMETHYLENE) BIS-2-PSEUDOTHIOUREA DIHYDROCHLORIDE DIHYDRATE (NSC-56054).
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NEED AND JUSTIFICATION FOR ELECTRICAL CONDUIT ON URBAN FREEWAYS,
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CURRY, R. L.
DEVELOPMENT OF METHODS OF TESTING AGGREGATE LARGER THAN 1-1/2 INCH.
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DALEY, JOHN C.
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NOTION DE FONCTION DE TRANSFERT POUR UN REACTEUR NUCLEAIRE (CONCEPT OF TRANSFER FUNCTIONS FOR A NUCLEAR REACTOR),
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MOLECULAR NEUROCHEMISTRY OF THE BRAIN DURING CONDITIONED AVOIDANCE BEHAVIOR.
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DAVIS, RUTH
TOXICOLOGIC EVALUATION OF 2,2 -(9-10-ANTHRYLENEDIMETHYLENE) BIS-2-PSEUDOTHIOUREA DIHYDROCHLORIDE DIHYDRATE (NSC-56054).
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DAVIS, RUTH D.
ADDENDUM TO TOXICOLOGIC EVALUATION OF TOXICOLOGIC 2,2 -(9,10 ANTHRYLENEDIMETHYLENE)-BIS-2-PSEUDOTHIOUREA DIHYDROCHLORIDE DIHYDRATE (NSC-56054).
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A STUDY OF THE EFFECTS OF VARIOUS HEAT INPUT RATES ON T-1A STEEL WELDS.
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REDUCTION OF DRAG OF A PROJECTILE IN A SUPERSONIC STREAM BY THE COMBUSTION OF HYDROGEN IN THE TURBULENT WAKE,
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DAVIS, W. D.
STUDY OF HOT-CATHODE MAGNETRON ION GAUGE,
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DE BEER, J. F.
A THEORETICAL ANALYSIS OF EXTENSIVE AIR SHOWERS. I. NEAR-VERTICAL SHOWERS AT SEA LEVEL,
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DEARMONT, D. D.
SOLUTION POLYMERIZED BUTADIENE/STYRENE RUBBERS FOR WIRE AND CABLE APPLICATIONS,
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THE EFFECTS OF PARTIAL CONDENSATION AROUND IONS IN ELECTRIC FLUID DYNAMIC ENERGY CONVERSION PROCESSES.
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DEERE, D. U.
ENGINEERING CLASSIFICATION AND INDEX PROPERTIES FOR INTACT ROCK,
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DEFALCO, ALFRED
EFFECT OF HYDROXYETHYL STARCH ON PLASMA VOLUME AND HEMATOCRIT FOLLOWING HEMORRHAGIC SHOCK IN DOGS. COMPARISON WITH DEXTRAN, PLASMA, AND RINGER S,
AD-646 505 6E U67 07

DEGRAS, DENIS ABEL
CONTRIBUTION A L ETUDE DES INTERACTIONS DE L OXYDE DE CARBONE ET DES METAU DE TRANSITION (ON THE INTERACTIONS BETWEEN CARBON MONOXIDE AND TRANSITION METALS).
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DEGTYAREV, L. M.
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DELIUS, JUAN D.
PENTOBARBITAL ANAESTHESIA IN THE HERRING AND LESSER BLACK-BACKED GULL.
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DENGLER, R. P.
SELF-EVACUATED MULTILAYER INSULATION OF LIGHTWEIGHT PREFABRICATED PANELS FOR CRYOGENIC SPACE PROPULSION VEHICLES.
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DENIZ, VALENTIN
APPLICATION DE LA METHODE JANVIER (M.YVON) AUX EXPERIENCES PAR NEUTRONS PULSES (APPLICATION OF THE JANVIER (M.YVON) METHOD TO PULSED NEUTRON EXPERIMENTS),
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LA CINETIQUE DES MILIEUX HETEROGENES (KINETICS OF HETEROGENEOUS SYSTEMS),
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DEREK, J.
APPLICATION OF WELDED THIN METAL IN NEW COMMUNICATION CABLE DESIGNS.
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DERY, DONALD A.
AN ENVIRONMENTAL WHOLE-BODY PLETHYSMOGRAPH.
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DESOER, C. A.
SIMPLIFIED CONDITIONS FOR CONTROLLABILITY AND OBSERVABILITY OF LINEAR TIME-INVARIANT SYSTEMS.
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DEVOE, J. K.
LP II A GOAL PROGRAMMING MODEL FOR MEDIA PLANNING.
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DEVRIES, J. M. S.
PERIPHERAL EQUIPMENT FOR A SMALL DIGITAL COMPUTER.
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DEWAR, MICHAEL J. S.
AROMATIC OXIDATION BY ELECTRON TRANSFER. III. OXIDATION OF 1-AND 2-METHOXY-NAPHTHALENE BY MANGANIC ACETATE.
AD-646 362 7C U67 07

DIAZ, R. A.
FULL PRESSURE SUIT HEAT BALANCE STUDIES.
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ACOUSTIC DISTANCE MEASURING EQUIPMENT FOR RADIATED NOISE MEASUREMENTS.
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EVALUATION OF IMMUNOASSAY METHODS FOR PROLACTIN IN BODY FLUIDS.
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PROPAGATION ET DIFFUSION D UNE COLONNE DE PLASMA DANS UN CHAMP MAGNETIQUE (PROPAGATION AND DIFFUSION OF A PLASMA COLUMN IN A MAGNETIC FIELD).
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COMMISSARIAT A L ENERGIE ATOMIQUE, GRENOBLE (FRANCE). CENTRE D ETUDES NUCLEAIRES.
INTERACTIONS A DEUX CORPS DANS LA REACTION 9BE (N, ALPHA ALPHA NN) A 14 MEV. II - MESURE DES SECTIONS EFFICACES (TWO BODY INTERACTION IN THE REACTION 9BE(N, ALPHA ALPHA NN) AT 14 MEV, II. CROSS-SECTION MEASUREMENTS).
PB-174 033 20H U67 67 MC$ 3.00 MF$ 0.65

ETUDE DES DETECTEURS A GAZ POUR NEUTRONS THERMIQUES FONCTIONNANT EN COLLECTION DE COURANT (GAS DETECTORS FOR THERMAL NEUTRON AT HIGH COUNTING RATES).
PB-174 034 18D U67 67 MC$ 3.00 MF$ 0.65

COMMISSARIAT A L ENERGIE ATOMIQUE, SACLAY (FRANCE).
SPECULATION SUR LES DEFAUTS CRISTALLINS DANS UO2 ET UO2+X (SOME SPECULATIONS CONCERNING CRYSTAL DEFECTS IN UO2 AND UO2+X).
PB-174 042 20L U67 67 MC$ 3.00 MF$ 0.65

COMMISSARIAT A L ENERGIE ATOMIQUE, SACLAY (FRANCE). CENTRE D ETUDES NUCLEAIRES.
APPLICATION DE LA METHODE JANVIER (M.YVON) AUX EXPERIENCES PAR NEUTRONS PULSES (APPLICATION OF THE JANVIER (M.YVON) METHOD TO PULSED NEUTRON EXPERIMENTS).
PB-174 028 18K U67 67 MC$ 3.00 MF$ 0.65

PRODUCTION DE L ISOBARE N33*** ET INTERACTION PION + PION DANS L ETAT D ISOSPIN I=2, ETUDIEES DANS LA REACTION PI-MINUS + P TO P + PI-PLUS + PI-MINUS + PI-MINUS A 2, 75 GEV/C (N33*** ISOBAR PRODUCTION AND ISOPIN 2 PION-PION INTERACTION STUDIED IN THE REACTION PI-MINUS + P TO P+ PI-PLUS + PI-MINUS + PI-MINUS AT 2.75 GEV/C).
PB-174 031 20H U67 67 MC$ 3.00 MF$ 0.65

CODE FLID (DEP 851). PROGRAMME NUMERIQUE ANALYSANT EN DEUX DIMENSIONS LE COMPORTEMENT THERMODYNAMIQUE D UN LIQUIDE BOUILLANT (FLID (DEP 851). A CODE FOR THE TWO DIMENSIONAL ANALYSIS OF THE THERMODYNAMIC BEHAVIOUR OF A BOILING LIQUID).
PB-174 039 18I U67 67 MC$ 3.00 MF$ 0.65

IONISATION D UN ATOME DE CESIUM PAR UN PROCESSUS D ABSORPTION A DEUX PHOTONS ISSUS D UN FAISEAU LASER (IONISATION OF A CESIUM ATOM BY AN ABSORPTION PROCESS INVOLVING TWO PHOTONS FROM A LASER BEAM).
PB-174 043 20H U67 67 MC$ 3.00 MF$ 0.65

QUELQUES TECHNIQUES D ETUDE DE L ACTOMYOSINE PAR MICROSCOPIE ELECTRONIQUE (SOME TECHNIQUES FOR STUDYING ACTOMYOSIN BY ELECTRON MICROSCOPY).
PB-174 044 6A U67 67 MC$ 3.00 MF$ 0.65

NOTION DE FONCTION DE TRANSFERT POUR UN REACTEUR NUCLEAIRE (CONCEPT OF TRANSFER FUNCTIONS FOR A NUCLEAR REACTOR).

PR-174 045 18K U67 07 HC$ 3.00 MF$ 0.65

CINEMATOGRAPHIE DE PHENOMENES TRANSITOIRES FAIBLEMENT LUMINEUX A L AIDE D AMPLIFICATEURS DE LUMINANCE (CINEMATOGRAPHY OF WEAKLY-LUMINOUS TRANSIENT PHENOMENA USING IMAGE CONVERTERS),
PR-174 046 14R U67 07 HC$ 3.00 MF$ 0.65

CALCUL DES FORCES AGISSANT SUR UNE IMPURETE D UN METAL SOUMIS A UN GRADIENT DE TEMPERATURE (CALCULATION OF FORCES ACTING ON AN IMPURITY IN A METAL SUBJECTED TO A TEMPERATURE GRADIENT),
PR-174 047 20I U67 07 HC$ 3.00 MF$ 0.65

MESURE D UN FLUX DE PARTICULES NEUTRES PAR UNE METHODE THERMIQUE METTANT A CONTRIBUTION L EFFET DE TEMPERATURE DES JONCTIONS (MEASUREMENT OF A NEUTRAL PARTICLE FLUX BY A THERMAL METHOD USING THE JUNCTION TEMPERATURE EFFECT),
PR-174 048 20H U67 07 HC$ 3.00 MF$ 0.65

COMMISSARIAT A L ENERGIE ATOMIQUE, SACLAY (FRANCE). CENTRE D ETUDES NUCLEAIRES.
PROPOSITIONS POUR LE MECHANISME D ECHAUFFEMENT D UN CORPS PAR BOMBARDEMENT ELECTONIQUE (PROPOSALS FOR THE HEATING MECHANISM OF AN ELECTRONICALLY BOMBARDED BODY),
PR-174 038 20H U67 07 HC$ 3.00 MF$ 0.65

SECTIONS EFFICACES DIFFERENTIELLES ELASTIQUES ET INELASTIQUES ORTENUES PAR DIFFUSION DE PARTICULES ALPHA DE 44 MEV SUR DES CIBLES DE 24MG, 25MG, 26MG, 40CA, 46TI, 48TI, 50TI, 52CR, 54FE, 56FE, 58FE, 58NI, 60NI, 62NI, 64NI, 63CU, 65CU, 64ZN, 112SN, 114SN, 116SN, 118SN, 120SN, 122SN, 124SN ET 208PB AU CYCLOTRON A ENERGIE FIXE DE SACLAY,
PR-174 040 20H U67 07 HC$ 3.00 MF$ 0.65

LA CINETIQUE DES MILIEUX HETEROGENES (KINETICS OF HETEROGENEOUS SYSTEMS),
PR-174 049 18K U67 07 HC$ 3.00 MF$ 0.65

COMMISSARIAT A L ENGERGIE ATOMIQUE, SACLAY (FRANCE). CENTRE D ETUDES NUCLEAIRES.
CONTRIBUTION A L ETUDE DES INTERACTIONS DE L OXYDE DE CARBONE ET DES METAU DE TRANSITION (ON THE INTERACTIONS BETWEEN CARBON MONOXIDE AND TRANSITION METALS),
PR-174 033 7D U67 07 HC$ 3.00 MF$ 0.65

TRANSITION SUPRACONDUCTRICE ET MAGNETORESISTANCE EN CHAMP FAIBLE D UN ECHANTILLON MONOCRISTALLIN DE NIOBIUM A 4,2K (SUPERCONDUCTIVE TRANSITION AND LOW-FIELD MAGNETORESISTANCE OF A NIOBIUM SINGLE CRYSTAL AT 4.2K),
PR-174 041 20C U67 07 HC$ 3.00 MF$ 0.65

COMMISSARIAT A L ENGERGIE ATOMIQUE, SACLAY (FRANCE). CENTRE D ETUDES NUCLEAIRES.
CONTRIBUTION A L ETUDE DES DIFFUSIONS ELASTIQUE ET INELASTIQUES DES PROTONS SUR LE CARBONE 12 (CONTRIBUTION TO THE STUDY OF PROTON ELASTIC AND INELASTIC SCATTERING ON CARBON-12),
PR-174 032 20H U67 07 HC$ 3.00 MF$ 0.65

CONSULTANTS AND DESIGNERS, INC., ARLINGTON, VA.
THE OUTERMOST BELT OF CHARGED PARTICLES.
N67-15505 4A S05 06 HC$ 3.00 MF$ 0.65

ON THE COULOMB RELAXATION PROCESS OF FAST PARTICLES DISTRIBUTION IN THE EARTH S RADIATION BELTS.
N67-15507 4A S05 06 HC$ 3.00 MF$ 0.65

COOKE COLOR AND CHEMICAL CO., HACKETTSTOWN, N. J.
THERMAL STABILITY OF CROSS-LINKED POLYETHYLENE,
AD-645 542 11I U67 07 HC$ 3.00 MF$ 0.65

CORNELL AERONAUTICAL LAB., INC., BUFFALO, N. Y.
IN-FLIGHT MEASUREMENT OF HUMAN RESPONSE CHARACTERISTICS,
AD-645 493 5J U67 07 HC$ 3.00 MF$ 0.65

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AD-645 644 17G U67 07 HC$ 3.00 MF$ 0.65

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AD-645 669 7D U67 07 HC$ 3.00 MF$ 0.65

CORNELL UNIV., ITHACA, N. Y. LAB. OF ATOMIC AND SOLID STATE PHYSICS.
ON THE BULK (H SUB C2) AND SURFACE (H SUB C3) NUCLEATION FIELDS OF STRONG COUPLING SUPERCONDUCTING ALLOYS,
AD-645 909 20C U67 07 HC$ 3.00 MF$ 0.65

CORNELL UNIV., ITHACA, N. Y. SIBLEY SCHOOL OF MECHANICAL ENGINEERING.
AN INVESTIGATION OF THE HEAT TRANSFER ASPECTS OF HORIZONTAL TWO-PHASE FLOW.
AD-645 398 20D U67 07 HC$ 3.00 MF$ 0.65

DAINICHI-NIPPON CABLES LTD., AMAGASAKI (JAPAN).
DEGREE AND RATE OF CROSSLINKING OF CROSS LINKED POLYETHYLENE,
AD-645 531 11I U67 07 HC$ 3.00 MF$ 0.65

DANIEL, MANN, JOHNSON, AND MENDENHALL, LOS ANGELES, CALIF.
A STUDY OF THE FUTURE OF A MARINE TERMINAL INDUSTRY AND OF THE FEASIBILITY OF DEVELOPING NEW MARINE TERMINAL FACILITIES IN OAKLAND, CALIFORNIA. PHASE I. THE OUTLOOK FOR NEW MARINE TERMINAL FACILITIES AT THE PORT OF OAKLAND.
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AD-646 892 8A U67 07 HC$ 3.00 MF$ 0.65

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AD-646 768 19D U67 07 HC$ 3.00 MF$ 0.65

DECISION STUDIES GROUP., PALO ALTO, CALIF.
OPTIMAL POLICY FOR A DYNAMIC MULTI-ECHELON INVENTORY MODEL,
AD-646 438 15E U67 07

DEFENCE RESEARCH TELECOMMUNICATIONS ESTABLISHMENT, OTTAWA (ONTARIO).
THE ALOUETTE II SATELLITE.
AD-646 816 22B U67 07

A PERIOD MODULATED CARRIER TECHNIQUE FOR DATA RECORDINGS,
AD-646 824 14C U67 07

DEPUTY CHIEF OF STAFF, RESEARCH AND DEVELOPMENT (AIR FORCE), WASHINGTON, D. C.
THE SONIC BOOM PROBLEM.
AD-646 676 1C U67 07 HC$ 3.00 MF$ 0.65

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AD-646 474 20D U67 07

DEUTSCHE VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, E.V., FREIBURG IM BREISGAU (WEST GERMANY).
STABILITAT UND VERZWEIGUNG STATIONARER LOSUNGEN DER NAVIER-STOKE SCHEN GLEICHUNGEN BEIM TAYLORPROBLEM (STABILITY AND RAMIFICATIONS OF FIXED SOLUTIONS OF NAVIER-STOKES EQUATIONS FOR TAYLOR PROBLEMS),
AD-646 475 20D U67 07

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PLOWSHARE A SELECTED, ANNOTATED BIBLIOGRAPHY OF THE CIVIL, INDUSTRIAL, AND SCIENTIFIC USES FOR NUCLEAR EXPLOSIVES,
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CATALOG OF THE INSTRUMENTS USING NUCLEAR SOURCES AND UTILIZED FOR CONTROLLING AND AUTOMATION OF TECHNICAL PROCESSES, PRODUCED BY THE ALL-UNION GROUP ISOTOPE, 1965,
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A THEORETICAL ANALYSIS OF EXTENSIVE AIR SHOWERS. I. NEAR-VERTICAL SHOWERS AT SEA LEVEL.
AD-646 924 7A U67 07

EAST COAST NAVY INTERLABORATORY COMMITTEE ON EDITING AND PUBLISHING.
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N67-15897 10C S05 06 HC$ 3.00 MF$ 0.65

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FREQUENCY ASSIGNMENT STUDIES.
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THEORETICAL AND EXPERIMENTAL RESEARCH ON DIGITAL ADAPTIVE CONTROL SYSTEM FINAL REPORT, 26 MAY 1965 - 25 MAY 1966.
N67-15666 9C S05 06 HC$ 3.00 MF$ 0.65

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AD-645 712 9R U67 07 HC$ 3.00 MF$ 0.65

AVIATION TECHNOLOGICAL INSTITUTE, MOSCOW. TRANSACTIONS, VOL. 50, 1961,
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AD-645 401 12R U67 07

FRY CONSULTANTS, INC., FRANKFURT AM MAIN (WEST GERMANY).
A JOB DEVELOPMENT PROGRAM IN THE HOME AND APARTMENT MAINTENANCE INDUSTRY, A BUSINESS OPPORTUNITY.
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NECESSARY CONDITIONS FOR OPTIMAL SINGLE IMPULSE TRANSFER,
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CHARACTERIZATION OF CERAMIC MATERIALS FOR MICROELECTRONIC APPLICATIONS SUMMARY REPORT NO. 1, 23 NOV. 1965 - 23 NOV. 1966.
N67-15566 20L S05 06 HC$ 3.00 MF$ 0.65

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A DISTORTION ANALYSIS OF THE MOS TRANSISTOR.
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THE HUMAN ORIENTING REACTION AS A FUNCTION OF ELECTRODERMAL VERSUS PLETHYSMOGRAPHIC RESPONSE MODES AND SINGLE VERSUS ALTERNATING STIMULUS SERIES.
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ONE-DIMENSIONAL ANALYSIS OF A TRAVELLING WAVE ACCELERATOR.
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THE MANEUVERING TACTICS TRAINER.
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IOWA STATE UNIV. OF SCIENCE AND TECHNOLOGY, AMES.
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RANGER VI MISSION DESCRIPTION AND PERFORMANCE.
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N67-13684 9A S05 06 HC$ 3.00 MF$ 0.65

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N67-13685 22B S05 06 HC$ 3.00 MF$ 0.65

SPACE PROGRAMS SUMMARY NO. 37-41, VOLUME IV FOR THE PERIOD AUGUST 1 TO SEPTEMBER 30, 1966. SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT.
N67-15781 22A S05 06 HC$ 3.00 MF$ 0.65

DATA COMPRESSION DEVELOPMENT - A COMPARISON OF TWO FLOATING-APERTURE DATA COMPRESSION SCHEMES.
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PUBLICATIONS OF THE JET PROPULSION LABORATORY JULY 1965 THROUGH JULY 1966.
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JET PROPULSION LAB., PASADENA, CALIF.
INVESTIGATION OF HEAT TRANSFER AT HIGH HEAT FLUX EXPERIMENTAL STUDY OF HEAT TRANSFER AND FRICTION DROP WITH N BUTYL ALCOHOL IN AN ELECTRICALLY HEATED TUBE.
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BALLOON SHAPES AND STRESSES BELOW THE DESIGN ALTITUDE.
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CONTRACT DA-31-124-ARO(D)-33
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AD-645 422 — 7C U67 07
AFOSR-67-0023
AD-645 402 — 7C U67 07
AFOSR-67-0024
AD-645 405 — 20G U67 07
AFOSR-67-0025
AD-645 434 — 20J U67 07
AFOSR-67-0033
AD-645 407 — 20J U67 07
AFOSR-67-0046
AD-645 415 — 12B U67 07
AFOSR-67-0049
AD-645 394 — 7C U67 07
AFOSR-67-0052
AD-645 412 — 20L U67 07
AFOSR-67-0058
AD-645 409 — 20J U67 07
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AD-645 410 — 20J U67 07
AFOSR-67-0085
AD-645 396 — 20L U67 07
AFOSR-67-0105
AD-645 414 — 6P U67 07
AFOSR-67-0107
AD-645 411 — 9A U67 07
AFOSR-67-0108
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AFOSR-67-0243
AD-646 362 — 7C U67 07
AFOSR-67-0261
AD-646 924 — 7A U67 07
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AD-646 842 — 12A U67 07
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AFOSR-67-0320
AD-646 801 — 12P U67 07
AFOSR-67-0321
AD-646 804 — 12A U67 07
AFOSR-67-0322
AD-646 807 — 7D U67 07
AFOSR-67-0324
AD-646 806 — 11H U67 07
AFOSR-67-0328
AD-646 936 — 20J U67 07
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AD-646 832 — 20F U67 07
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AFOSR-67-0344
AD-646 836 — 20L U67 07
AFOSR-67-0345
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AFOSR-67-0346
AD-646 838 — 9A U67 07
AFOSR-67-0348
AD-646 829 — 20L U67 07
AFOSR-67-0355
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AFOSR-67-0357
AD-646 803 — 12A U67 07
AFOSR-67-0358
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BR-4073
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CR-65-75
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DSR-76109-2
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DTMB-2266
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6M U67 07 HC$ 3.00 MF$ 0.65
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7E S05 06 HC$ 3.00 MF$ 0.65
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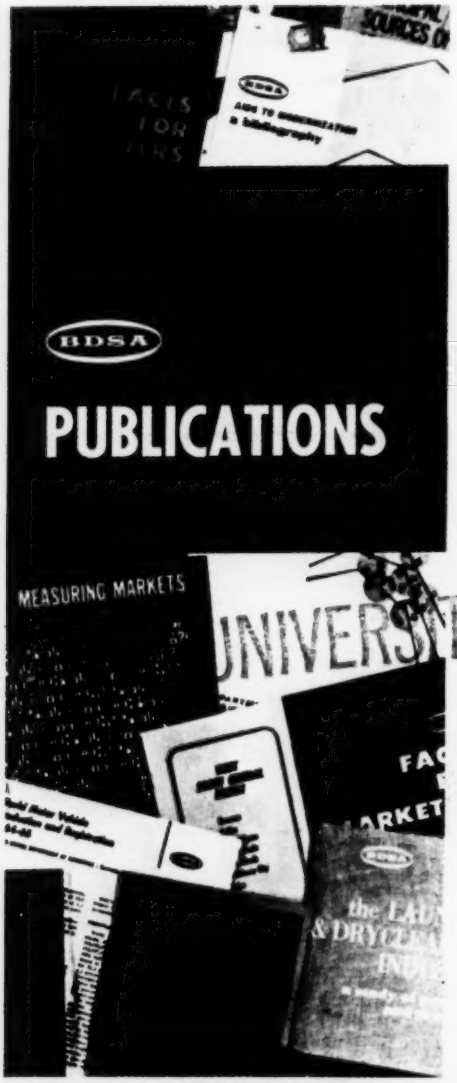

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